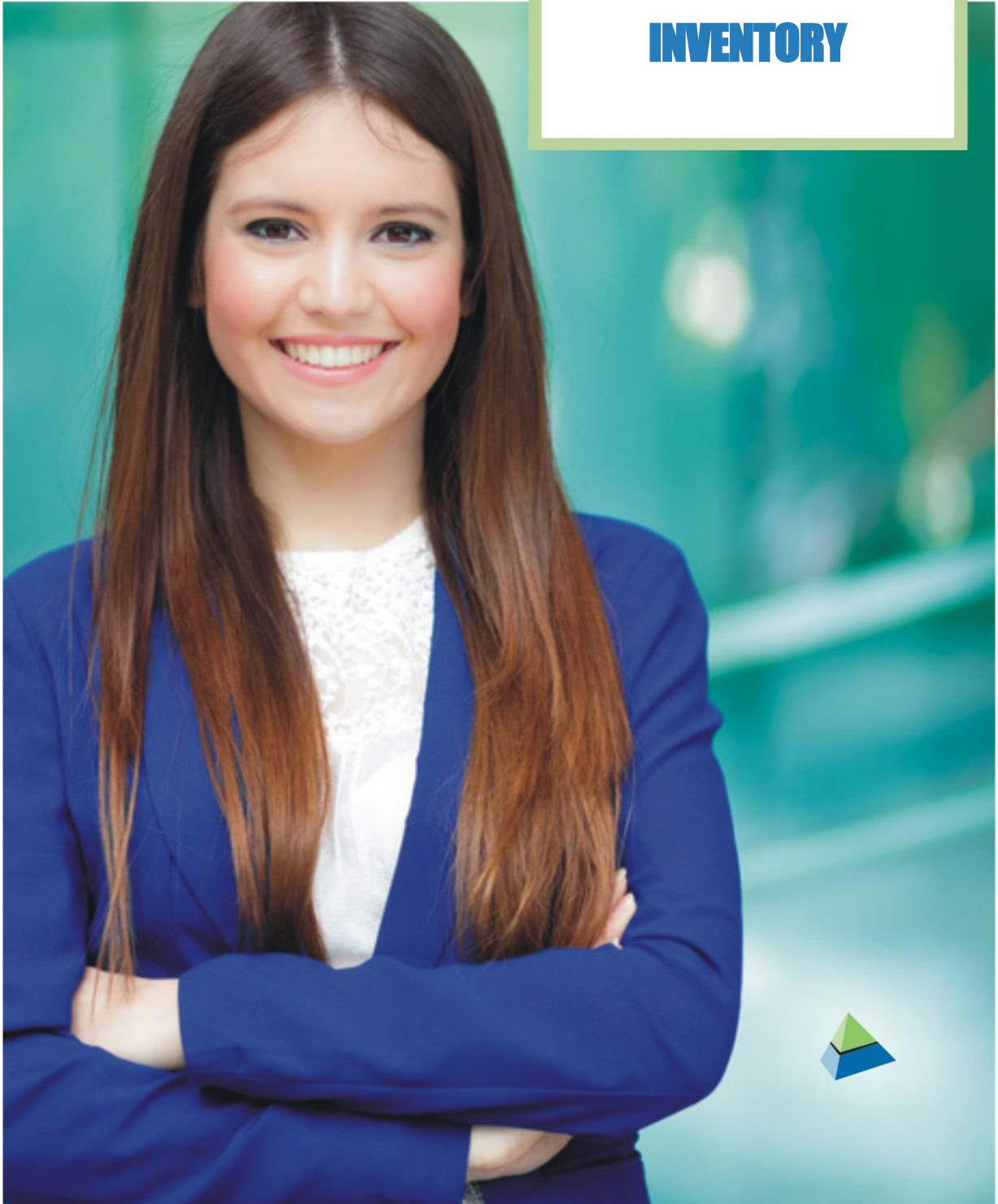


BATCHMASTER® ERP 18.2

User Guide

BatchMaster ERP with SAP Business One
BatchMaster Solutions for
Process Manufacturers

INVENTORY





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About the Manual

Symbols & Conventions

Symbol	Description
	Note
	Mandatory setting
	Tips

Convention	Description
Italicized (<i>Sales Order Entry</i>)	Module name, screen name & components
“ ” (“BatchMaster ERP with SAP Business One Hardware and Software Requirements”)	Reference document

Abbreviation	Description
BME-B1	BatchMaster ERP with SAP Business One
BP	Business Partner
Calc	Calculation
CAS	Chemical Abstracts Service
cGMP	Current Good Manufacturing Practice
COA	Certificate of Analysis
Desc	Description
EINECS	European Inventory of Existing Chemical Substances
ERP	Enterprise Resource Planning
FEFO	First Expiry First Out
FG	Finished Good
FIFO	First In First Out
GTIN	Global Trade Item Number
HMIS	Health Management Information System
INCI	International Nomenclature Cosmetic Ingredient
ID	Identification
Inv	Inventory
KG	Kilogram
LIFO	Last In First Out



LT	Liter
Max	Maximum
Mfg	Manufacturing
MPS	Master Production Scheduling
MRP	Material Requirements Planning
PO	Purchase Order
Prod	Production
QC	Quality Control
RM	Raw Material
Spec	Specification
UOM	Unit of Measure
USDA	United States Department of Agriculture
Whse	Warehouse



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1 DOCUMENT OVERVIEW

BatchMaster ERP with SAP Business One (BME-B1) enhances the standard SAP-B1 inventory functionality, especially the movement and control of lots. Detailed reports on lot status, inventory availability, and overall inventory management are provided. You can also run the optional *Warehouse and Production Data Collection* application, whereby inventory and production reporting transactions can be entered using industry-standard untethered devices.

1.1 Who Should Read This Document?

This document is intended for anyone who is implementing the software, learning its use, or training another person.

1.2 What's New In This Release?

- Backflush feature on Item Master Details screen.
- Lot Masking Based on Business Partner Code.
- BatchMaster Inventory Posting List Report.
- New column *for Lot strength value* has been added to the *Lot LPN/Container Report*.

1.3 Objectives

This document is designed to help the reader:

- Identify the purpose and functioning of the features in BatchMaster Manufacturing for SAP Business One.
- Identify the industry-specific utility of each feature.
- Record data in the system to perform transactions.
- Use examples to explain the purpose of features to others.
- Identify the business uses for reports and inquiries.



2 SETUP

2.1 Enable Bin Location

As a prerequisite, for every warehouse we create in SAP, the **Enable Bin Location** checkbox should be checked.

Go To: Main Menu → Administration → Setup → Inventory → Warehouses

The screenshot shows the 'Warehouses-(Default) - Setup' dialog box in SAP. The 'Bin Locations' tab is selected. The 'Warehouse Code' is 'Delhi' and the 'Warehouse Name' is 'Delhi'. The 'General' tab is also visible, showing 'Inactive' unchecked, 'Tax Code' empty, and 'Location' set to 'Delhi'. The 'Accounting' tab is also visible, showing 'Drop-Ship' unchecked, 'Nettable' checked, and 'Allow Use Tax' unchecked. The 'Bin Locations' tab shows 'Enable Bin Locations' checked and highlighted with a red box. Other fields include 'Street/PO Box' (Can-B01), 'Street No.' (Cannaught palace), 'Block', 'Building/Floor/Room', 'Zip Code', 'City' (Delhi), 'County' (India), 'Country' (dropdown), 'State' (dropdown), 'GLN', 'Tax Office', 'Address Name 2', and 'Address Name 3'. A link 'Show Location in Web Browser' is visible. At the bottom are 'Add' and 'Cancel' buttons.



2.2 BMM NON NETTABLE Bin

On the Bin Location Master Data screen, the UDF BMM NON NETTABLE is provided. Setting this UDF value to *Y* defines the bin as a non-nettable bin. If you set this UDF value to *N*, the system considers the bin as a nettable bin. The MPS/MRP engine does not consider the onhand inventory of a *non-nettable* bin when planning purchase/production.

Go To: Main Menu → Inventory → Bin Locations → Bin Location Master Data

The screenshot shows the 'Bin Location Master Data' window. At the top, the 'Bin Location Code' is '01-002'. On the right side, the 'BMM NON NETTABLE' field is set to 'Y'. The 'Bin Location Properties' section contains the following fields:

Inactive	<input type="checkbox"/>	Exclude from Auto. Alloc. on Issue	<input type="checkbox"/>
Receiving Bin Location	<input type="checkbox"/>		
Description			
Item Weight		Item Qty	
No. of Items	7	No. of Batches/Serials	
Alternative Sort Code		Bar Code	
Minimum Qty		Maximum Qty	
Maximum Weight			
Item Restrictions	None		
UoM Restrictions	None		
Batch Restrictions	None		
Transaction Restrictions	None		
Last Updated On			
Reason			

Buttons at the bottom: OK, Cancel, Manage Bin Locations, Modify Bin Location Codes.



2.4 HazMat Class

Use the *HazMat Class* screen to define various categories of risk posed by your raw materials, intermediates, or finished goods. The system provides 21 categories, and you can add more if needed based on your business.

Go To: Administration → Setup → Inventory → HazMat Class.

#	Code	HazMat Class Name
8	2.1	Flammable gases
9	2.2	Non flammable compressed
10	2.3	Poisonous
11	3	Flammable Liquid and Combustible Liquid
12	4.1	Flammable solids
13	4.2	Spontaneously combustible
14	4.3	Dangerous when wet
15	5.1	Oxidizer
16	5.2	Organic Peroxide
17	6.1	Material that is poisonous
18	6.2	Infectious Agents
19	7	Radioactive
20	8	Corrosive
21	9	Miscellaneous
22		

OK Cancel

HazMat Code: The column value is editable so that you can change the class and division of the hazardous material, based on the standards established by the United States Department of Transportation (DOT).

HazMat Class Name: The name in this field should correspond to the code specified in the *HazMat Code* field, and be based on the standards established by the DOT.

Update: Click the *Update* button to save your edits.

Cancel: Click the *Cancel* button to exit the screen without saving your changes.



2.5 Lot Status

Using the Lot Status screen you can define different lot statuses that are used to control the movement of inventory in the system.

Go To: Main Menu → Administration → Setup → Inventory → Lot Status

#	Transaction	Allowed
1	Delivery	<input type="checkbox"/>
2	A/R Invoice	<input type="checkbox"/>
3	A/R Credit Memo	<input type="checkbox"/>
4	Goods Return	<input checked="" type="checkbox"/>
5	Return	<input type="checkbox"/>
6	A/P Credit Memo	<input checked="" type="checkbox"/>
7	Goods Issue	<input type="checkbox"/>
8	Production Issue	<input type="checkbox"/>
9	Pick List	<input type="checkbox"/>
10	Inventory Transfer	<input checked="" type="checkbox"/>
11	Inventory Posting	<input type="checkbox"/>
12	Planning	<input type="checkbox"/>

Lot Status: The unique name of the lot status.

Description: A description of the lot status.

Transaction: This column displays a list of transactions. You can check the transactions you want to allow for this lot status item.

Allowed: Check the boxes in this column to make the corresponding transactions available for the selected lot status. At least one transaction type must be selected.

Add: Click the *Add* button to save the record.

Cancel: Click the *Cancel* button to close the screen without saving your changes.



2.5.1 Impact of Lot Status

You can assign a lot status to an item lot at the time of receipt. On the *Item Master Details* screen, under the *Quality Control Tab*, the *Default Lot status while Receiving* option is available to set the default lot status of the item. If you don't set any lot status here, the system will automatically assign the lot status 'All' to the item which signifies that the usage of the item lot is allowed for all types of transactions.

Let's say, we create a lot status RCV for which Goods Return, Return and Inventory Transfer transactions are checked.

Go To: Main Menu → Administration → Setup → Inventory → Lot Status

#	Transaction	Allowed
1	Delivery	<input type="checkbox"/>
2	A/R Invoice	<input type="checkbox"/>
3	A/R Credit Memo	<input type="checkbox"/>
4	Goods Return	<input checked="" type="checkbox"/>
5	Return	<input checked="" type="checkbox"/>
6	A/P Credit Memo	<input type="checkbox"/>
7	Goods Issue	<input type="checkbox"/>
8	Production Issue	<input type="checkbox"/>
9	Pick List	<input type="checkbox"/>
10	Inventory Transfer	<input type="checkbox"/>
11	Inventory Posting	<input type="checkbox"/>
12	Planning	<input type="checkbox"/>

On the *Item Master Details* screen, set this RCV status as *Default Lot status while receiving*.

Go To: Main Menu → Inventory → Item Master Details

Item Master Details

Item Number: RM0020
Description: Chocolate Morsels
Alternate Desc: _____ GTIN: _____

Inventory | **Quality Control** | UoM Conversion | Batch Options | Allergens/Ingredients | Certificate Details

Inspection Required

Automatically create QC order on receipt

Default Lot Status while receiving: **RCV**

QC Revision: _____

Compare Revisions | Copy from Specifications

As the item lot of RCV status is only allowed for Goods Return, Return and Inventory Transfer, if you try to process any other transactions such as goods issue the system will display an error *Lot Status not found or not supported for the given transaction*, as displayed below:



Go To: Main Menu → Inventory → Inventory Transactions → Goods Issue

The screenshot shows the SAP Goods Issue screen. At the bottom, a red error message reads: "Lot Status not found or not supported for the given transaction." The screen displays various fields for item details, a table for contents, and a "Batch Number Selection" dialog box.

#	Item No.	Item Description	Quantity	Bin L...	Inventor...	Item Cost
1	RM0020	Chocolate Morsels	2		-001-C	
2						

#	Batch	Availabl...	Selecte...	Allocate...
1	b534	1		
2	RM0020005	20		
3	RM0020006	20		
4	RM0020007	8		
		49		

The default lot status you set for the item is defaulted on the Goods Receipt screen. During the receipt, if you wish to change this lot status to the status of your choice, click on the *No of Containers* hyperlink, available on the Batches Setup screen.

The screenshot shows the "Batches - Setup" screen. It contains two tables: "Rows from Documents" and "Created Batches". A red box highlights the "No. of Container" hyperlink in the "Created Batches" table.

#	Doc. No.	Item Number	Item Description	Whse Code	Total Needed	Total Created
1	SI 389	sberry	sberry	01	12	12

#	Batch	Qty	Batch Attribute 1	Batch Attribute 2	Bin L...	E.
1	B2	12			12	



This will open the *Container Selection* screen from where you can change the current lot status.

#	Lot No.	Bin No	Quantity
B2	01-001		12.00

Container Qty: 0.000 No. Of Container:

Generate Containers

#	LPN#	Temp Contain...	Lot Status	Quantity
1	L01		HOLD	12.000
2				0.000

Later, at any stage, the item lot status can be changed using the *Change Lot Status* screen.

No. Document Date: 09/01/16 Warehouse: 01

#	Item No.	Item Description	UoM	Lot	From Container	From Bin	From Lot Status	Quantity	To Lot St...
1	RM0020	Chocolate Morsel KG		RM002000:1	01-REC	RCV		10.000	Receiving
2								0.000	

Remarks

Add Cancel

Also, the Bulk Lot Status Change Criteria screen is available to change the lot status of lots in bulk.

Go To: Administration → Setup → QC → Bulk Lot Status Change Criteria.

The available option to change the lot status are:

- Item Code
- LPN
- Bin No.



On selecting the *Change Lot Status by* as Item Code, you can select the Item, warehouse, range of lot statuses, LPN and Bin of the lots whose lot status needs to be modified.

Bulk Lot Status Change Criteria

Change Lot Status by: Item Code
Item Code: RM01
Warehouse: 01
Lot Status: From [] To []
Bin: From [] To []
LPN: From [] To []

Fetch Data Cancel

When you click on the *Fetch Data* button, based on the selection criteria you made, the system retrieves the Item lots on the *Bulk Lot Status Change Utility* screen. From the screen you can select all or selected lots and maintain data in the following fields:

To Lot Status: Enter the lot status you need to set for the selected lot.

Document Date: Enter the date that you need to set as the transaction document date.

Reason Code: Specify an appropriate reason or reason code, signifying the reason for the status changes. The reason code you specify here will be set for all the records. If required, you can set a separate reason for an individual record in the Reason code field available in the grid.

Remarks: Specify an appropriate comment or information for the lot status change document if required.

Bulk Lot Status Change Utility

Item Code: RM01 To Lot Status: HOLD Remarks: Changed via Bulk Lot Status Change Utility
Description: RM01 Document Date: 09/23/21
Warehouse: 01 Reason Code: REASON1

#	Select	Lot No	Container	Bin No	LPN	Quantity	Curren...	To Lot ...	Reason...	Expiry Date	Vendor Lot #	Valida...
1	<input checked="" type="checkbox"/>	103	0	01-SYSTE!		0.857	ALL	HOLD	REASON1			
2	<input checked="" type="checkbox"/>	104	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
3	<input checked="" type="checkbox"/>	105	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
4	<input checked="" type="checkbox"/>	106	0	01-SYSTE!		4.000	ALL	HOLD	REASON1			
5	<input checked="" type="checkbox"/>	125	0	01-SYSTE!		3.916	ALL	HOLD	REASON1			
6	<input checked="" type="checkbox"/>	126	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
7	<input checked="" type="checkbox"/>	127	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
8	<input checked="" type="checkbox"/>	128	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
9	<input checked="" type="checkbox"/>	129	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
10	<input checked="" type="checkbox"/>	13	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
11	<input checked="" type="checkbox"/>	130	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
12	<input checked="" type="checkbox"/>	131	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
13	<input checked="" type="checkbox"/>	132	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
14	<input checked="" type="checkbox"/>	133	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
15	<input checked="" type="checkbox"/>	134	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
16	<input checked="" type="checkbox"/>	135	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
17	<input checked="" type="checkbox"/>	136	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			
18	<input checked="" type="checkbox"/>	137	0	01-SYSTE!		5.000	ALL	HOLD	REASON1			

Select/Unselect All
Change Status Cancel



Once done the changes can be viewed on the *Change Lot Status* screen.

The screenshot shows the 'Change Lot Status' window with the following data:

#	Item No.	Item Description	UoM	Warehouse	Lot	Container No.	Bin No.	From Lot ...
1	RM01	RM01	KG	01	103		01-SYSTEM-BIN-LOCATION	ALL
2	RM01	RM01	KG	01	104		01-SYSTEM-BIN-LOCATION	ALL
3	RM01	RM01	KG	01	105		01-SYSTEM-BIN-LOCATION	ALL
4	RM01	RM01	KG	01	106		01-SYSTEM-BIN-LOCATION	ALL
5	RM01	RM01	KG	01	125		01-SYSTEM-BIN-LOCATION	ALL
6	RM01	RM01	KG	01	126		01-SYSTEM-BIN-LOCATION	ALL
7	RM01	RM01	KG	01	127		01-SYSTEM-BIN-LOCATION	ALL
8	RM01	RM01	KG	01	129		01-SYSTEM-BIN-LOCATION	ALL

Remarks: Changed via Bulk Lot Status Change Utility

On selecting the *Change Lot Status by* as LPN, you can select the LPN and range of lot statuses whose lot status needs to be modified.

The screenshot shows the 'Bulk Lot Status Change Criteria' dialog box with the following fields:

- Change Lot Status by: LPN
- LPN: 1000
- Lot Status: From [] To []

When you click on the *Fetch Data* button, based on the selection criteria you made, the system retrieves the Item lots on the *Bulk Lot Status Change Utility* screen. From the screen you can select all or selected lots and maintain data in following fields:

To Lot Status: Enter the lot status you need to set for the selected lot.

Document Date: Enter the date that you need to set as the transaction document date.



Once done the changes can be viewed on the *Change Lot Status* screen.

#	Item No.	Item Description	UoM	Warehouse	Lot	Container No.	Bin No.	From Lot ...
1	RM01	RM01	KG		1000		01-SYSTEM-BIN-LOCATION	HOLD
2	RM02	RM02	KG		1000		01-DROP	HOLD
3								

On selecting the *Change Lot Status by* as Bin No., you can select the bin number and range of lot statuses whose lot status needs to be modified.

Change Lot Status by: Bin No
Bin No: 01-SYSTEM-BIN-LOCAT
Lot Status: From HOLD To HOLD

When you click on the *Fetch Data* button, based on the selection criteria you made, the system retrieves the Item lots on the *Bulk Lot Status Change Utility* screen. From the screen you can select all or selected lots and maintain data in following fields:

To Lot Status: Enter the lot status you need to set for the selected lot.

Document Date: Enter the date that you need to set as the transaction document date.

Reason Code: Specify an appropriate reason or reason code, signifying the reason for the status changes. The reason code you specify here will be set for all the records. If required, you can set a separate reason of an individual record in the Reason code field available in the grid.

Remarks: Specify an appropriate comment or information for the lot status change document if required.



Bulk Lot Status Change Utility

Bin No: 01-SYSTEM-BIN-LOC To Lot Status: Document Date: 11/17/21 Reason Code: Remarks:

#	Select	ItemCode	Warehouse	Lot No	Container	LPN	Quantity	Current Lot Status	To Lot Status	Reason Code	Expiry Date	V.
2	<input type="checkbox"/>	RM01	01	A1	0		1,000,000.0	ALL			6/20/2021	
3	<input type="checkbox"/>	BOM2	01	A11	0		10.000000	ALL				
4	<input type="checkbox"/>	RM01	01	A4	0		9.091000	ALL			6/14/2021	
5	<input type="checkbox"/>	RM01	01	B1	0		99,692.715	ALL				
6	<input type="checkbox"/>	BOM1	01	b1	0		50.000000	ALL				
7	<input type="checkbox"/>	FG-FIFO	01	B1	0		10.000000	ALL				
8	<input type="checkbox"/>	BOM1	01	bb1	0		50.000000	ALL				
9	<input type="checkbox"/>	BOM1	01	bbbb1	0		50.000000	ALL				
10	<input type="checkbox"/>	CONT1	01	CONT13 5			2.000000	ALL				
11	<input type="checkbox"/>	CONT1	01	CONT13 1			2.000000	ALL				
12	<input type="checkbox"/>	CONT1	01	CONT13 2			2.000000	ALL				
13	<input type="checkbox"/>	CONT1	01	CONT13 3			2.000000	ALL				
14	<input type="checkbox"/>	CONT1	01	CONT13 4			2.000000	ALL				
15	<input type="checkbox"/>	CONT1	01	CONT13 1			1.000000	ALL				
16	<input type="checkbox"/>	CONT1	01	CONT13 1			2.000000	ALL				
17	<input type="checkbox"/>	CONT1	01	CONT13 3			2.000000	ALL				
18	<input type="checkbox"/>	CONT1	01	CONT13 2			2.000000	ALL				
19	<input type="checkbox"/>	CONT1	01	CONT13 4			2.000000	ALL				

Select/Unselect All

Once done the changes can be viewed on the *Change Lot Status* screen.

Change Lot Status

No.: 310 Document Date: 09/23/21 Warehouse:

General

#	Item No.	Item Description	UoM	Warehouse	Lot	Container No.	Bin No.	From Lot ...
1	RM01	RM01	KG	01	103		01-SYSTEM-BIN-LOCATION	HOLD
2	RM01	RM01	KG	01	104		01-SYSTEM-BIN-LOCATION	HOLD
3	RM01	RM01	KG	01	105		01-SYSTEM-BIN-LOCATION	HOLD
4	RM01	RM01	KG	01	106		01-SYSTEM-BIN-LOCATION	HOLD
5	RM01	RM01	KG	01	125		01-SYSTEM-BIN-LOCATION	HOLD
6	RM01	RM01	KG	01	126		01-SYSTEM-BIN-LOCATION	HOLD
7	RM01	RM01	KG	01	127		01-SYSTEM-BIN-LOCATION	HOLD
8	RM01	RM01	KG	01	128		01-SYSTEM-BIN-LOCATION	HOLD

Remarks: Bin wise lot status change

The impact of lot status is also found during quality control. For understanding the impact, please refer *QC Defaults* section of *BME-B1 18.2 QC User Guide*.



2.6 Allergens

Use this screen to define potential allergens in your products. The system comes pre-populated with a list of common food allergens. You can edit the list and add your own allergens depending on your business needs. Once this list is created, you can define the allergen(s) that apply to an item at the *Item Master Details* screen.

Go To: Administration → Setup → Inventory → Allergens.

#	Seq	Allergen
1	1	Eggs
2	2	Fish
3	3	Milk
4	4	Sesame
5	5	Shellfish
6	6	Soy
7	7	Sulphites
8	8	Wheat
9	9	Peanuts
10	0	

Seq: Define the production sequence for the allergen. This number can be assigned based on when the allergen must be dealt with on the production floor.

Allergen: Specify a name for the allergen.

Update: Click the *Update* button to update the record.

Cancel: Click the *Cancel* button to close the screen without saving your changes.

2.7 Lot Masking Based on Business Partner Code

The Batch/Serial Masking screen support Business Partner Code option within the Type field. This feature allows for the automatic generation of lot numbers that incorporate the Business Partner Code, providing



improved traceability and streamlined warehouse operations. This option is only available when the Masking Method is set to "Automatic."

Understanding Masking Criteria:

When configuring automatic lot number generation, you can combine various criteria to create a unique masking pattern. The available criteria for Batch Lot or Serial Numbering now include:

- Document Number (DocNum): Incorporates the document number of the receiving transaction.
- Item Code: Includes the code of the received item.
- Alpha Character: Allows for the inclusion of predefined alphabetical characters.
- Year: Includes the year of the receipt.
- Month: Includes the month of the receipt.
- Day: Includes the day of the receipt.
- Series: Incorporates a predefined numbering series.
- Business Partner Code: Includes the code of the associated Business Partner.

#	Type	Value	Size
1	Business Partner Code		5
2	ItemCode	FG00011	7
3	DocNo		9
4	DocNo		9

Sample Value: NNNNNFG00011NNNNNNNNNN

2.7.1 Impact of Masking

Once configured, the system will automatically apply the defined lot number masking during the receipt process in the following documents:

- GRPO (Goods Receipt PO)
- Goods Receipt
- Production Receipt



- Return Documents

3 ITEM RECORDS

3.1 Define Item QC Test

This screen is used to define QC tests for an item with associated test categories and methods. You can perform QC Item Test approval activities such as Send for Approval, Cancel Approval and making QC Item Test obsolete. When you add a new test record, the status of the record will be development.

#	Test Code	Test Unit	Category	Test Method	Test Lea...	Inspection	Sample Plan ID
1	BRIX-FTIR	gm	Physical	BRIX-TRANS	0000:00:00	Continuous	
2			Internal	Internal Mett		Continuous	

Item No: This field is used to specify the Item key of the item with which QC tests need to be associated.

Description: This field displays the description of the Item.

Alternate Description: This field displays an alternate description for the Item if available.

QC Revision: This field shows the auto generated revision number. Each change has a unique revision number.



Seq No: When you add a new test row in the grid, the system auto generates the sequence number of the attached test row in multiples of ten. To reorder a row sequencing you can simply modify the generated sequence number.

Test Code: This field is used to specify the Test ID of the Test that is to be applied to the item.

Test Unit: This field shows the test unit associated with the test selected.

Category: This field shows the test category associated with Test Code.

Test Method: From the dropdown, select a *Test Method* as defined on the Test Method screen.

Test Lead Time: Specify the time needed to complete the test.

Inspection This field shows the inspection plan for the test associated with the Test Code. Typically you choose sampling as the inspection plan.

Sample Plan ID: If you choose sampling as the inspection method, select a Sample Plan ID.

Measuring: This field shows the measuring results associated with the Tests for this Item Code. The possible values are *Pass/Fail*, *Numeric*, and *Alphanumeric*. For example, the results of a pH test is measured in numeric value, whereas the result of an odor test is typically alphanumeric.

Target Value: Specify the ideal numeric value expected in the test results. This field is valid only if the *Measuring* type is *Numeric*.

Control Lower Limit: Specify the lowest acceptable value of the Numeric test result. For example, if the pH of milk should be between 8 and 10. In this case, the *Control Lower Limit* is 8.

Control Upper Limit: Specify the highest acceptable value of the Numeric test result. For the same example, pH test for milk, the *Control Upper Limit* is 10.

Max Allowable % Defective 1: Specify the acceptable percentage of defective samples. A value greater than the specified value will result in rejection of the lot.

Target Alpha: For an alphanumeric test, specify the ideal alphanumeric value expected in the test results.

Print On COA: Select this checkbox to print the test results on the Certificate of Analysis (COA) report.

Remarks: Specify any instruction or notes about the test. For example, you may specify the temperature at which this test should be conducted.

Purchase QC: Select this checkbox to implement QC inspection tests on the item during its purchase receipt, before moving the purchased items to inventory.



Production QC: Select this checkbox to implement QC inspection tests on the item after it is produced. You may want to perform QC inspection on the goods produced before adding them to inventory.

Sales QC: Select this checkbox to implement QC inspection tests on the item during its sale. You may want to employ sales QC to ensure that the goods shipped meet the desired standards.

Inventory QC: Select this checkbox to implement QC inspection tests on existing inventoried items to re-test them.

Status: This field shows valid QC test statuses such as Development, Pending, Cancelled, Approved and Obsolete.

Send for Approval: Clicking this button lets you send the Item QC Test for Approval to Authorizer.

Cancel Approval: Click this button to cancel the Approval Request.

Revise Item QC Test: Click this button to perform modifications on the Item QC test.

Make Obsolete: Click this button to change the status of the Item QC test to no longer in use.

Business Partner wise List: **Business Partner wise List:** Click this button to define QC tests at a business-partner level. These tests can override QC tests defined at the item level. You can also use this screen to define customer-specific QC tests when your customers have different test specifications for your finished goods to your standard tests.

Up Down Re-Sequence Button: Up and Down re-sequence button will re-sequence the order of the Test Codes.

Copy from Specification: Click this button to access the *Copy Item QC Tests from Item Specifications* screen, which lets you copy specifications to the *QC Item Test* grid. Select the *Show for All Items* option to show the selected QC Specifications for all items. Selected test values will be copied to the Item QC Test grid. While copying the specifications, the *Spec ID Code* will be copied to the *Test Code ID* field. If the Test Code does not exist with the same *Spec ID* name in the Test Master, then BatchMaster ERP will create a Test Code with the same Spec ID and Description. If the Spec ID already exists in the Item QC Test grid, then the system will display a warning message that some of the Item QC Tests already exist with the same Specification ID, do you want to override?

Compare Revisions: Click this button to compare different QC revisions for the same item.

Ok: Click this button to save the changes on the screen.

Cancel: Click this button to discard changes and close the screen.



3.1.1 Defining Item QC Test Draft Procedure

1. Click the Define Item QC Test button on the Item Master Details screen, QC tab.
2. Enter the Test Code, Test Unit and other required details on the test grid.
3. Click the *Send For Approval* button to initiate approval. When an approval request is sent:
 - a. If no approval template is applicable to the Item QC Test, the system will approve the Item QC test and its status will change to *Approved* from *Development* or *Revised*.
 - b. If a valid approval template is applicable to the Item QC Test, the system will change the status to *Pending*. This will trigger a message to the authorizer. The Authorizer receives a *Request for Document Approval* message. When The Authorizer approves the request, the Item QC Test status changes to *Approved* from *Pending*.
4. Click the *Cancel Approval* button to cancel a sent approval request. This will change the status to *Cancelled*.
5. Click the *Revise Item QC Test* button to modify QC Test criteria. During revision, the QC test status remains as *Development*.
6. Click the *Make Obsolete* button to make the Item QC Test obsolete i.e. it is no longer usable. This will change the status to *Obsolete*.
7. Click the *Copy from Specifications* button to Copy Item QC Tests from the *Item Specifications* screen, i.e. specifications are copied to the *Item QC Test* grid.
8. Click *Add* to save your changes.
9. Click *Cancel* to discard your changes and close the screen.



3.2 Item Master Data

Before you can call out an inventory item in a formula or Bill of Material (BOM), you must choose a valid stocking Unit Of Measure (UOM) for it. While you can save an item without this data, failure to assign a stocking UOM will result in an error message when you start building a formula. Valid units of measure are defined at the *Unit Master* screen:

Administration → Setup → Process Manufacturing Units of Measure → Unit Master.

Once the units of measure have been defined, they can be applied to individual items.

Go To: Inventory → Item Master Data.

The screenshot shows the 'Item Master Data' window with the 'Inventory Data' tab selected. The 'UoM Name' field is highlighted with a blue box and contains the value 'LB'. Other fields include Item No. (Manual), C00001, Description (Chopped Carrots), Item Type (Items), Item Group (Items), UoM Group (Manual), Price List (Base Price), Bar Code, and Unit Price (Primary Curr).

After confirming the data on the *Inventory Data* tab and adding the record by clicking the *Add* button, access the *Item Master Details* screen by right-clicking on the *Item Master Data* screen, then selecting the *Item Master Details* option.

Go To: Main Menu → Inventory → Item Master Data.

The screenshot shows the 'Item Master Data' window with the 'Inventory Data' tab selected. A right-click context menu is open over the 'Unit Price' field, with the 'Item Master Details' option highlighted. The 'Unit Price' field contains the value '400.00 \$'. Other fields include Item No. (Manual), C00001, Description (Chopped Carrots), Item Type (Items), Item Group (Items), UoM Group (Manual), Price List (Base Price), Bar Code, and Unit Price (Primary Curr). The 'Tax Liab' checkbox is checked, and the 'Manufacturer' is set to 'A+ Electronics'.



The *Item Master Data* screen contains a *Process Extension* button at the bottom of the screen that directs you to the screens that can be required to move to the next level of the process.



The options available under this dropdown button are:

- **Item Master Details:** Use this screen to record the process manufacturing details. For details, click [here](#).
- **Item Physical Property:** Choose this option to move to the *Item Physical Property Master* screen. You can use this screen to establish the physical properties for each raw material item that the formula uses. For more detailed information, please refer the *BME-B1 18.2 Laboratory User Guide*.
- **Print Label:** Choose this option to view the *Label Printing Report* screen. You can use this screen to view the details that would be printed on item label. The details include the expiry date, its lot number, lot quantity, the date when item was received, location details, its UOM, vendor details, and the container details (if it is a containerized item).

Select	No Of Labels	Item Code	Item Name	Lot No	Quantity	Expiry Date
<input checked="" type="checkbox"/>	1	RM0011	Baking Soda	RM0011003	7.00	
<input checked="" type="checkbox"/>	1	RM0012	Salt	RM0012003	5.00	
<input checked="" type="checkbox"/>	1	PK0090	Case	PK0090003	12.00	
<input checked="" type="checkbox"/>	1	PK0013	Plastic Wrap 12.5	PK0013003	56.00	
<input checked="" type="checkbox"/>	1	PK0013	Plastic Wrap 12.5	PK0013004	100.00	
<input checked="" type="checkbox"/>	1	PK0013	Plastic Wrap 12.5	PK0013005	56.00	
<input checked="" type="checkbox"/>	1	PK0012	Label-250 GM CCC	PK0012004	49.50	
<input checked="" type="checkbox"/>	1	PK0011	Tray-250 GM CCC	PK0011003	53.00	
<input checked="" type="checkbox"/>	1	RM0013	Vanilla Extract	RM0013003	100.00	
<input checked="" type="checkbox"/>	1	RM0014	Butter (Softened)	RM0014003	200.00	
<input checked="" type="checkbox"/>	1	RM0015	Granulated White Sugar	RM0015003	433.00	
<input checked="" type="checkbox"/>	1	RM0016	Brown Sugar	B	300.00	
<input checked="" type="checkbox"/>	1	RM0017	Egg White	B4	200.00	
<input checked="" type="checkbox"/>	1	RM0019	Chopped Nuts	B5	300.00	
<input checked="" type="checkbox"/>	1	RM0010	All-purpose Floor	RM0010005	10.00	08/03/16
<input checked="" type="checkbox"/>	1	RM0010	All-purpose Floor	RM0010005	10.00	08/03/16
<input checked="" type="checkbox"/>	1	RM0011	Baking Soda	RM0011004	10.00	08/03/16

- **Specifications:** Choose this option to communicate technical details about your raw materials and formulas. It directs you the *Specifications* screen. For detailed understanding, refer the *BME-B1 18.2 QC User Guide*.



3.2.1 Item Master Details

The *Item Master Details* screen is used to record process manufacturing details such as the lot strength, required quality control (QC) tests, and Allergens for an inventory item. This is also where you can define an alternate description for the item, allowing a customer-friendly description to print on your ingredient statements.

Go To: Main Menu → Inventory → Item Master Details.

The screenshot shows the 'Item Master Details' window with the following fields and options:

- Item Number:** RM0001
- Description:** Sugar
- Alternate Desc:** GTIN
- Production UOM:** KG
- Planning Method:** MRP
- QC Lead Time(days):** 0
- Sample Quantity:** 0.000
- Sample UOM:**
- Sample Instructions:**
- Overage %:** 0.000
- Potency %:**
- HMIS Personal Protection:**
- Show Image:**
- Hazard Information for BOL:**
 - Hazardous Material
 - Exclude item from picking/Staging
 - Backflush Item
- LIN/NA ID:**
- Hazmat Shipping Name:**
- Hazmat Class:**
- Hazmat Packaging Group:**
- Pick UOM:**
- Quantity per pick UOM:** 0.000
- Weighing tolerance:** 0.000

Item Number: This field displays the unique identification code for the item. This information is pulled from the *Item Master Data* record.

Description: This field displays the description of the item.

Alternate Desc (optional): Enter an alternate description for this item.

GTIN (Global Trade Item Number): Can be used by a company to uniquely identify all of its trade items. Once a company has assigned a GTIN to a trade item, it provides a common language for all of its entities and trading partners worldwide to easily communicate information about the item.

Update: Click the *Update* button to save the changes made on the screen.

Cancel: Click the *Cancel* button to close the screen without saving your changes.



Item Master Details screen options with Advance Picking

If you check the *Use Enhanced Picking* checkbox on the *Production Defaults* screen the Advanced Picking is implemented and the following additional options are displayed on the *Item Master Details* Screen.

Exclude Item From Picking: Select this checkbox if you wish to eliminate the respective item from picking.

Pick UOM: Choose the UOM in which you want to pick the item. If you do not specify a Pick UOM for the item the system uses the Stock UOM as the Pick UOM.

Quantity Per Pick UOM: Specify the unit conversion between the *Pick UOM* and the *Stock UOM* for the *Pick UOM*.

Backflush Item

Mark the *Backflush Item* checkbox available at the *Inventory* tab on *Item Master Details* screen for the respective item you wish to consider for backflush functionality. When you mark this checkbox, ensure that the above global setting for Backflush is unmarked on the *Production Defaults*.

3.2.1.1 Inventory Tab

Production UOM: When a production batch is created, raw material quantities and units of measure will default from the formula. If the production UOM differs from the formula UOM, you would define the production unit in this field.

Planning Method: Specify how a material should be planned. Valid values are:

- **NONE:** Item will be planned manually by users (no system assistance).
- **MPS:** Item is planned by Master Production Scheduling. Typically your 'make' items (finished goods and intermediates) are planned at this level.
- **MRP:** Item is planned by Material Requirements Planning. Purchased raw materials and purchased intermediates are planned at this level.

Lot Strength (only with the food vertical): If the lot strength of the item is less than 100 percent, you would enter the percentage here. The system will compensate when calling out quantities in formulas and production batches.

USDA Code: If desired, you can map an item to its associated United States Department of Agriculture (USDA) item. Based on the USDA code you associate with the item, the item's physical properties will also be imported.



The field is visible only when you choose the *Enable USDA Integration* option on the *Additional Settings* tab of the *Process Mfg Defaults* screen.

QC Lead Time (days): Specify the number of days you need to allow for QC testing which needs to be added to the days to calculate when the materials will be available for use. The system will add the specified days in the batch schedule and accordingly re-calculate the demand date.

QC lead time (in days) in batch schedule QC Lead time to be considered in the Batch Schedule. The Demand Date is recalculated based on Lead Time in the Planning engine.

Overage % (not shown): Enter the percentage of additional material that must be included in formulas and batches to make up for waste incurred during production-related activities.

Potency % (not shown): The extent to which the item is 'pure' or 'full strength.' As potency drops, more of the ingredient is needed to achieve a desired strength or outcome in a formula.

Sample Quantity: Enter the default amount of the item to be used in QC sampling/testing.

Sample UOM: Enter the default UOM for sampling purposes.

Sample Instructions: Text entered here will default on sampling documents.

HMIS Personal Protection: Use the drop-down menu to select the protective devices your employees must wear when handling the item. This information (and a pictogram) will print on some QC and production documents.

NFPA Code: National Fire Protection Agency codes applicable to the item.

Hazard Information for BOL: Prints on the sales order Bill of Lading.

Weighing Tolerance: Specify the issue tolerance quantity of the item. At the time of Material Issue you can issue material quantity plus/minus this tolerance value.

3.2.1.2 Quality Control Tab (Without Approval Procedure)

Here you will define the specific QC tests needed for the item, the target test values, and the business process points at which the QC tests must occur.

Go To: Main Menu → Inventory → Item Master Details → Quality Control Tab



3.2.1.4 Unit of Measure Conversion Tab

You can use this tab to define item-specific unit conversions. All conversions you define will be based on the item's stocking UOM. For example, if you want to specify a raw material density measured in pounds (LB), here you would enter a conversion from LB to gallons (GAL).

Go To: Main Menu → Inventory → Item Master Details → UOM Conversion Tab.

#	From UoM	To UoM	Conversion Factor	Operation	Scope
1	GAL	LTR	3.790000	Multiply	Global
2	GAL	ML	3,785.410000	Multiply	Global
3	LB	GAL	8.340000	Divide	Global
4	LB	GAL	10.500000	Divide	ItemWise
5	LB	GM	453.590000	Multiply	Global
6	LB	KG	0.450000	Multiply	Global
7	LB	OZ	16.000000	Multiply	Global
8	ML	GAL	3,785.410000	Divide	Global
9	LB		0.000000	Multiply	ItemWise

Show Global: Displays the global (system-wide) conversions as defined in the *Global Unit Conversion Setup* screen. You can use these conversion factors as guidelines to determine an item-specific conversion. If a conversion factor or operation is different for a specific item, you would define a new row with the scope as 'ItemWise.'

In our example, carrots require a unique conversion factor (10.5) when changing from pounds to gallons. When the conversion is performed, the system will ignore the global conversion factor and use the item-specific factor instead.

From UOM: Displays the stock UOM for the item. You cannot edit this field.

To UOM: The UOM to which conversion is required.

Conversion Factor: The factor used to convert the *From UOM* to the *To UOM*. The number in the *From UOM* field is multiplied with or divided by the conversion factor to express the quantity of the item in the *To UOM* field.



Operation: The operation that converts the *From UOM* to the *To UOM*. The dropdown menu in this field lists the following functions:

- **Multiply:** When you select this option, the *From UOM* is multiplied by the conversion factor to obtain the *To UOM*.
- **Divide:** When you select this option, the *From UOM* is divided by the conversion factor to obtain the *To UOM*.

Scope: Displays whether the scope of the conversion is Global or Item level.

Define Conversion: As we know, the unit conversion from the System Weight unit to any other weight type of unit, or the System Volume unit to another volume type of unit, are globally defined, so irrespective of the item these conversions are standard. However, the unit conversion from the System Weight unit to any volume type of unit or the System Volume unit to any other weight unit depends upon the item's density. Based on the item's density, these conversions need to be calculated. To make the system calculate this unit conversion, this *Define Conversion* button is provided. On clicking this button, the *Item Unit Conversion* screen is displayed.

Item Unit Conversion

S..	Fro...	To Unit	Conversion F...	Oper...	Scope
1	<input type="checkbox"/> KG	EA	1,000.000	Multiply	Calculated
2	<input type="checkbox"/> KG	ML	769.000	Multiply	Calculated
3	<input type="checkbox"/> KG	LT	0.769	Multiply	Calculated
4	<input type="checkbox"/> KG	KL	1.000	Multiply	Unable to calculate

Item Code: Displays a unique key of the item whose unit conversion will be calculated.

Stock Unit: Shows the stock unit of measurement of the item.

System Wt Unit: Displays System Weight unit of the item.



System Vol Unit: Displays System Volume unit of the item.

Measure By: Shows the *Measure By* criteria of the item.

Density: Enter the density of the item.

Grid Details

Select: Check to select the respective line in the grid.

From Unit: Displays the unit from which conversion takes place.

To Unit: Displays the unit in which conversion takes place.

Conversion Factor: Based upon the specified density and the global unit conversion of the item, the system will calculate and display the conversion factor. If a Global unit conversion is not defined the system will consider it as 1.

Operation: Displays a name of the Mathematical operation used to convert *From UOM* to the *To UOM*.

Scope: Displays the scope of the conversion. The value displayed as *Converted* signifies that the item *From Unit* is converted into the *To Unit* on the basis of the specified density. The value is stated as *Not Defined* if global conversion is not defined between the items.

Calculate Conversion: Use this button to calculate the unit conversion of the item on the basis of its specified density.

Update: Click this button to update the calculated conversion to the *Item Master Details* screen.

Cancel: Use this button to exit from the screen without performing an action.



3.2.1.5 Batch Options Tab



Most of the fields on this tab are only available when the item is lot-controlled.

Go To: Main Menu → Inventory → Item Master Details → Batch Options Tab

Expiry Date Calc. Method: Select the method used to calculate the expiry date of the item. Available options are:

- **Expiry Days:** When this option is selected, the expiry date of the finished good or intermediate is calculated as **{Batch actual start date} + {the number of days specified in the *Expiry Days* field}**.
- **Based on nearest RM expiry:** When this option is selected, the expiry date of the manufactured item will be the same as the earliest expiry date of any raw material used in producing the item.

Expiry Days: Enter the mandated expiration days for the manufactured item.

Enforce RM Shelf Life Equals or Exceeds Mandated FG Expiry Days: If this box is checked, the system would ensure that no raw materials expiring before the mandated expiration days of the manufactured item are selected for issue to the batch. For example, if the expiry of a finished good is 0 days, the system would ensure that no raw materials expiring within 30 days are issued to the production batch.



This checkbox is available only when: (1) you have enabled shelf life checking on the *Inventory* tab of the *Process Mfg. Defaults* screen; (2) the item being produced is lot/serial tracked; and (3) the *Exp. Date Calc. Method* field for the item is defined as *Expiry Days*.



Quarantine Days: The number of days that must pass after production (batch closure or partial closure) before the manufactured item can be issued or shipped.

Default Batch Size: This default size is used when lots are created automatically at the time of production receipt.

Purchase Shelf Life Days: Specify a shelf life for purchasing and, if specified, BatchMaster ERP will warn/block purchasing of finished goods which are expiring before the specified number of days. If this value is 0, then the system would assume that purchase shelf life is not applicable to the product.



In order to use this functionality you need to click *Enable Shelf Life* feature at the *Process Mfg. Default* screen.

Shipment Shelf Life Days: When a non-zero value is entered, the system will issue a warning and/or block shipping of finished goods which are expiring within that number of days. If this value is 0, shipment shelf life would not be applicable to the product.



Shelf life validation is applied at the *Pick and Pack Production Manager* screen. The validation is such that

Delivery date of sales order + shelf-Life days of particular item should be less than Expiry date of the Lot.

Let's say, you define the *Shipment shelf life days* of the item as 3 days.

The screenshot shows the 'Item Master Details' window with the 'Batch Options' tab selected. The 'Shipment Shelf Life Days' field is highlighted with a red box and contains the value '3'. Other fields include 'Expiry Date Calc. Mthd' (Based on nearest RI), 'Expiry Days' (0), 'Quarantine Days' (0), 'Default Batch Size' (0.000), 'Purchase Shelf Life Days' (0), 'Min. RM Shelf Life Days for Prod. Issues' (0), 'Batch/Serial Issue Method' (FIFO selected), 'Batch/Serial Generation Method' (Manual selected), and 'Default Container Size' (0.000). The 'Update' and 'Cancel' buttons are visible at the bottom.



Open the *Pick Pack and Production Manager* screen to perform the Sales order lot selection.

Location	Whse Code	Whse Name
<input checked="" type="checkbox"/>	01	General Warehouse
<input type="checkbox"/>	02	General Warehouse-02

When you select and update the lot at the *Batch Number selection screen*, the defined validation executes and prompts an error if the expiry date of the lot is less than the defined shelf life, as highlighted below.

#	Batch	Available Qty	Allocated Qty in B...
1	b1	450	
2	b2	500	
3	N1	900	

The expiry date for some of the lots is less than mandated shipment shelf life 3 days.



If multiple sales order are selected for same item in pick list, then the nearest (minimum) delivery date of selected sales order will be consider to check shelf-Life.

Pick Pack and Production Manager

Open Released Picked

Find Document Number

#	Trans. T...	Doc. No.	BP Code	BP Name	Doc. Row	Delivery/...	Number	Description	UoM Code	Uo...
1	<input type="checkbox"/> OR	10000	VP001		1	11/05/20	NI-self	Ni_self	Manual	
2	<input type="checkbox"/> OR	10005	VB002	VB002	1	11/06/20	NI-self	Ni_self	Manual	
3	<input type="checkbox"/> OR	10001	VP001		1	11/10/20	NI-self	Ni_self	Manual	
4	<input checked="" type="checkbox"/> OR	10006	VB002	VB002	1	11/10/20	NI-self	Ni_self	Manual	
5	<input checked="" type="checkbox"/> OR	10002	VP001		1	11/11/20	NI-self	Ni_self	Manual	
6	<input type="checkbox"/> OR	10007	VP001		1	11/12/20	NI-self	Ni_self_1	Manual	
7	<input type="checkbox"/> OR	10004	VB002	VB002	1	11/15/20	NI-self	Ni_self_1	Manual	
8	<input type="checkbox"/> OR	10003	VP001		1	11/17/20	NI-self	Ni_self	Manual	
9	<input type="checkbox"/> OR	10003	VP001		2	11/17/20	NI-self	Ni_self_1	Manual	

OK Cancel Release to Pick List Create



You can also define shipment shelf life at the Business Partner Catalog level. Values defined by the Business Partner Catalog will override the value defined at the item level.



For Pick pack and Production manager Business Partner shelf-Life will not override the value defined at the item level, instead it is always be picked from the *Item Master Details* screen.

Min. RM Shelf Life Days for Prod. Issues: Specify a minimum shelf life after which raw materials will not be issued to the production batch. A value of 0 means there is no shelf life restriction for the raw materials used to produce the manufactured item.

Batch/Serial Issue Method: This field is used to specify the method to automatically issue the item for batches.

- **FIFO (First In, First Out):** Lots that came in first will be issued first.
- **FEFO (First Expiry First Out):** Lots that expire first will be issued first.
- **LIFO (Last In, First Out):** Lots that came in last will be issued first.

Batch/Serial Generation Method: Specify how the system should generate lot numbers for the item:

- **Automatic:** The system will automatically generate lot numbers based on masking.
- **Manual:** Lot numbers must be keyed in manually during the receipt or batch closure process.



Batch Masking: When you select automatic Batch/Serial generation, you must define how lot numbers will be generated. Choose the *Edit* button to define masking for the item.

#	Type	Value	Size
1	ItemCode	IN0031	6
2	Alpha	-	1
3	Series	2014	4
4	DocNo		

Refer to the *BME-B1 18.2 Production User Guide* for more details on batch masking.



If *Global Lot Sequence* is applied then Batch/Serial masking must have the *Series* option. Also, if global lot sequence is implemented then the global sequence number is used instead of item specific next lot sequence number.

Enable Containerization: BatchMaster ERP provides complete lot traceability by creating a lot number, and automatically tracking each lot that flows from receiving, production, and shipping.

Selecting this options allows you to create containers in sequence to the container size. It reflects the effect on the *Bin Selection* screen, while performing transactions on various marketing documents.



If you wish to enable containerization and *Draw QC Samples* features, then select the *Goods Issue* checkbox in the *QC Hold* field under the *QC Defaults - LotStatus* tab of the *QC Defaults* screen.

Default Container Size: Specify the quantity with which the containers need to be created for the item.



3.2.1.6 Allergens/Ingredients Tab

On this tab, you can define allergens present in a raw material or purchased intermediate.

Go To: Main Menu → Inventory → Item Master Details → Allergens/Ingredients Tab

#	INCI Name	Description	Weight %	CAS ...
1			0.000	



This tab is visible only when you select the *Enable Ingredient Statement and Allergen Reporting* option in the *Process Mfg. Defaults* screen.

Allergens: You can select available allergens using the dropdown menu or by typing in the *Allergens* field.

Name: Specify the chemical name by which this material is known. This name will be printed on the INCI report and is required for compliance issues, especially for compliance with the Bio Terrorism Act.

Description: Specify additional information about the material.

Function: Specify the function for this material. The function describes what an ingredient is doing in the cosmetic formulation.

CAS No.: Specify the Chemical Abstracts Service (CAS) Number for this material.



EINECS: Specify the EINECS name for the CAS Number being defined. It is a registry number given to each chemical substance commercially available in the European Union between 1 January 1971 and 18 September 1981. This name is required for compliance issues, especially for compliance with the Bio Terrorism Act.

Purchased Intermediates: If the material is a purchased intermediate, check the box and enter the intermediate's ingredients. This data will print on your ingredient statement.

Description: Provide the description of the ingredient in this field.

Weight%: Enter the weight percentage in this field. Note that the percentage must add up to 100.

CAS#: Provide the CAS number of ingredient in this field.

3.2.1.7 Certificate Details Tab

Use this tab to maintain Kosher, Halal, and Organic certificates.



This tab is visible only when you select the *Enable Halal, Kosher, Organic Info* option in the *Additional Settings* tab of the *Process Mfg. Defaults* screen.

Go To: Main Menu → Inventory → Item Master Details → Certificate Details Tab

Field	Value
Item Number	C00001
Description	Chopped Carrots
Alternate Desc	Finely Chopped Grade A Carrots
GTIN	

Field	Value
Halal Certified	<input type="checkbox"/>
Kosher Certified	<input type="checkbox"/>
Organic Certified	<input checked="" type="checkbox"/>
Is Genetically Modified	<input type="checkbox"/>

Field	Value
Organic Certification #	Certificate report
Issue Date	02/03/14
Expiry Date	01/31/15
Follow Up Date	12/31/14
Issued By	AJAX FARMS



Details of each certification type can be entered once the appropriate checkbox has been activated. In the example, our carrots are Organic Certified by the grower, Ajax Farms.

Organic Certification #: The browse button next to this field lets you find and attach an appropriate certificate. Once the certificate has been attached, clicking the golden arrow to the right of the '#' character will open the certificate for viewing.



To access this feature, the appropriate application (usually MS Word or a PDF viewer) must be installed on the server.

Issue, Expiry, and Follow Up Dates: Enter information as needed to assist in management of your certification programs.

Is Genetically Modified: Check this box if appropriate.



3.3 Inventory Transactions

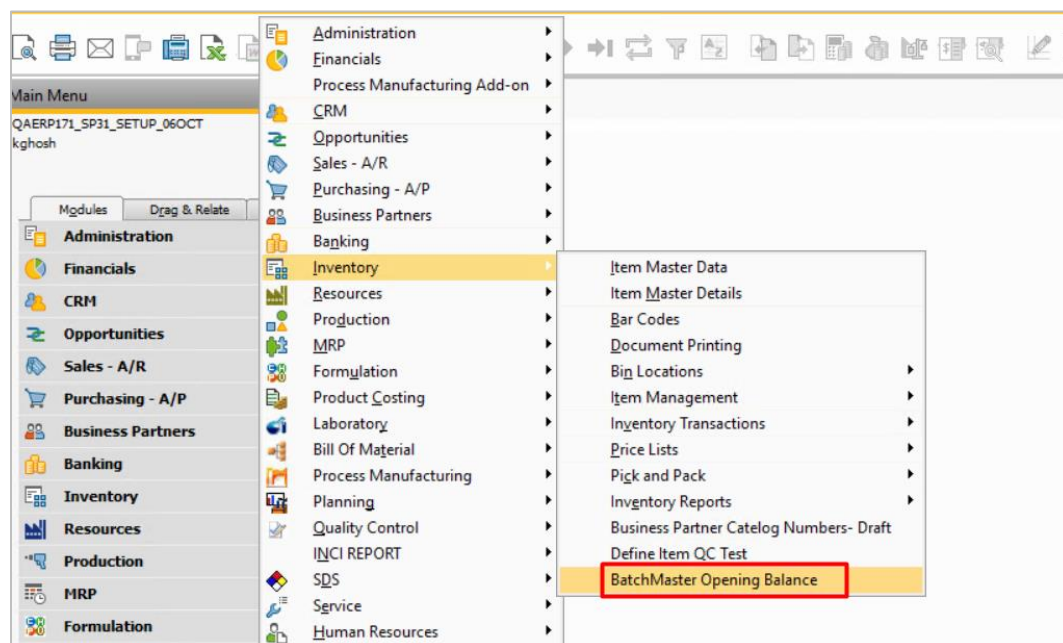
3.3.1 Inventory Opening Balance

From BMM_SP _ 381.307.117 version onwards BatchMaster provides the *Inventory Opening Balance utility* to import the Palletized and Containerized Items from an SAP predefined supported excel template to the BMM Company database. It allows you to import items with Pallet & container number along with the Lot status and Expiry date. You can import items in a single step resulting improved performance while importing large amount of data. Remarkably, generate the BMM opening balance utility report to view the imported records.

Working with Opening Balance Utility

- 1) BMM Import Opening Balance utility is available on following path:

Inventory → Inventory Transactions → BMM opening balance utility.



- 2) In BMM Opening Balance Utility you have an option to select and import the excel file containing the data of the items that needs to be imported with all the required fields.
- 3) Excel template should be maintained with all the required data in respective columns.



ITEM CODE	WHSCODE	BINCODE	QUANTITY	SCC	CONTAINER	QCLTSTATUS	PRICE	LOTNUMBER	BESTBEFORE	ACCOUNTNO
L1	01	01-SYSTEM-BIN-LOCATION	10			ALL	2.5	L2N01	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	15			ALL	3.9	L2N02	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	10			ALL	4.8	L2N03	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	15			ALL	2.6	L2N04	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	10			ALL	3.10	L2N05	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	15			ALL	4.9	L2N06	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	10			ALL	2.7	L2N07	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	15			ALL	3.11	L2N08	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	10			ALL	4.10	L2N09	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	15			ALL	2.8	L2N10	20251231	111000000100101
L1	01	01-SYSTEM-BIN-LOCATION	10			ALL	3.12	L2N11	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	4.11	L2N12	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	2.5	L2N13	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	3.9	L2N14	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	4.8	L2N15	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	2.6	L2N16	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	3.10	L2N17	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	4.9	L2N18	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	2.7	L2N19	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	3.11	L2N20	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	4.10	L2N21	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	2.8	L2N22	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	3.12	L2N23	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	4.11	L2N24	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	2.5	L2N25	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	15			ALL	3.9	L2N26	20251231	111000000100101
L2	01	01-SYSTEM-BIN-LOCATION	10			ALL	4.8	L2N27	20251231	111000000100101

4) After selecting the file, the grid shows data in tree format item code wise.

Item Code	WhsCode	BinCode	Lot Number	Pallet	Container	Lot Status	Quantity	Expiry Date	Price	AccountNo	Error Description
L1	01	01-SYSTEM-BIN-LOCATION	L2N01			ALL	10.000	12/31/25	2.50	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N10			ALL	15.000	12/31/25	2.80	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N11			ALL	10.000	12/31/25	3.12	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N02			ALL	15.000	12/31/25	3.90	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N03			ALL	10.000	12/31/25	4.80	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N04			ALL	15.000	12/31/25	2.60	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N05			ALL	10.000	12/31/25	3.10	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N06			ALL	15.000	12/31/25	4.90	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N07			ALL	10.000	12/31/25	2.70	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N08			ALL	15.000	12/31/25	3.11	111000000100101	
L2	01	01-SYSTEM-BIN-LOCATION	L2N09			ALL	10.000	12/31/25	4.10	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N12			ALL	15.000	12/31/25	4.11	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N13			ALL	10.000	12/31/25	2.50	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N14			ALL	15.000	12/31/25	3.90	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N15			ALL	10.000	12/31/25	4.80	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N16			ALL	15.000	12/31/25	2.60	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N17			ALL	10.000	12/31/25	3.10	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N18			ALL	15.000	12/31/25	4.90	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N19			ALL	10.000	12/31/25	2.70	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N20			ALL	15.000	12/31/25	3.11	111000000100101	
L3	01	01-SYSTEM-BIN-LOCATION	L2N21			ALL	10.000	12/31/25	4.10	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N22			ALL	15.000	12/31/25	2.80	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N23			ALL	10.000	12/31/25	3.12	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N24			ALL	15.000	12/31/25	4.11	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N25			ALL	10.000	12/31/25	2.50	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N26			ALL	15.000	12/31/25	3.90	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N27			ALL	10.000	12/31/25	4.80	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N28			ALL	15.000	12/31/25	2.60	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N29			ALL	10.000	12/31/25	3.10	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N30			ALL	15.000	12/31/25	4.90	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N31			ALL	10.000	12/31/25	2.70	111000000100101	
	01	01-SYSTEM-BIN-LOCATION	L2N32			ALL	15.000	12/31/25	3.11	111000000100101	

- 5) After importing the excel file successfully click on Validate & Process button. The system validates the data of the selected file. If the data is validated, it imports file else displays an error in Error column.
- 6) Inventory Opening Balance of SAP B1 document is posted for the imported items and eventually the Remarks field gets updated.
- 7) After successful import, system shows opening balance document number with a link arrow button.



BatchMaster Opening Balance Utility

Select Excel File: C:\KASAL\OpeningBalance\Excel sheet\OpeningBalance.xls

Import Excel

Opening Balance

Item Code	WhseCode	BinCode	Lot Number	Pallet	Container	Lot Status	Quantity	Expiry Date	Price	AccountNo	Error Description
▼ L1											
01	01	01-SYSTEM-BIN-LOCATION	L4NO1			ALL	10.000	12/31/25	2.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO10			ALL	15.000	12/31/25	2.80	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO11			ALL	10.000	12/31/25	3.12	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO2			ALL	15.000	12/31/25	3.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO3			ALL	10.000	12/31/25	4.80	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO4			ALL	15.000	12/31/25	2.60	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO5			ALL	10.000	12/31/25	3.10	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO6			ALL	15.000	12/31/25	4.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO7			ALL	10.000	12/31/25	2.70	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO8			ALL	15.000	12/31/25	3.11	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO9			ALL	10.000	12/31/25	4.10	111000000-01001	
▼ L2											
01	01	01-SYSTEM-BIN-LOCATION	L4NO12			ALL	15.000	12/31/25	4.11	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO13			ALL	10.000	12/31/25	2.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO14			ALL	15.000	12/31/25	3.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO15			ALL	10.000	12/31/25	4.80	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO16			ALL	15.000	12/31/25	2.60	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO17			ALL	10.000	12/31/25	3.10	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO18			ALL	15.000	12/31/25	4.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO19			ALL	10.000	12/31/25	2.70	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO20			ALL	15.000	12/31/25	3.11	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO21			ALL	10.000	12/31/25	4.10	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO22			ALL	15.000	12/31/25	2.80	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO23			ALL	10.000	12/31/25	3.12	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO24			ALL	15.000	12/31/25	4.11	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO25			ALL	10.000	12/31/25	2.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO26			ALL	15.000	12/31/25	3.90	111000000-01001	
▼ L3											
01	01	01-SYSTEM-BIN-LOCATION	L4NO27			ALL	10.000	12/31/25	4.80	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO28			ALL	15.000	12/31/25	2.60	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO29			ALL	10.000	12/31/25	3.10	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO30			ALL	15.000	12/31/25	4.90	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO31			ALL	10.000	12/31/25	2.70	111000000-01001	
01	01	01-SYSTEM-BIN-LOCATION	L4NO32			ALL	15.000	12/31/25	3.11	111000000-01001	

Validate & Process Cancel

Activate Windows
Go to Settings to activate Windows.

On clicking the link arrow button the system displays the Inventory Opening Balance screen with remark as “Generated through BatchMaster Import Utility”.

Inventory Opening Balance

Posting Date: 02/13/23 No. Primary: 6

Document Date: 02/13/23 Ref. 2

Price Source: Item Cost

Contents Attachments

Find Item No. Warehouses

#	Item No.	Item Description	Whse	Bin Location	In Warehouse	Opening Balance	Unit Price	Total	Open Inventory Account
1	L1	L1	01	01-SYSTEM-BIN-LOCATION	14,830	135	\$ 2.50	\$ 337.50	111000000-01-001-01
2	L2	L2	01	01-SYSTEM-BIN-LOCATION	570	190	\$ 4.11	\$ 780.90	111000000-01-001-01
3	L3	L3	01	01-SYSTEM-BIN-LOCATION	855	285	\$ 4.80	\$ 1,368.00	111000000-01-001-01
					16,255			\$ 2,486.40	

Remarks: Generated through BatchMaster Import Utility

Journal Remark: Inventory Opening Balances

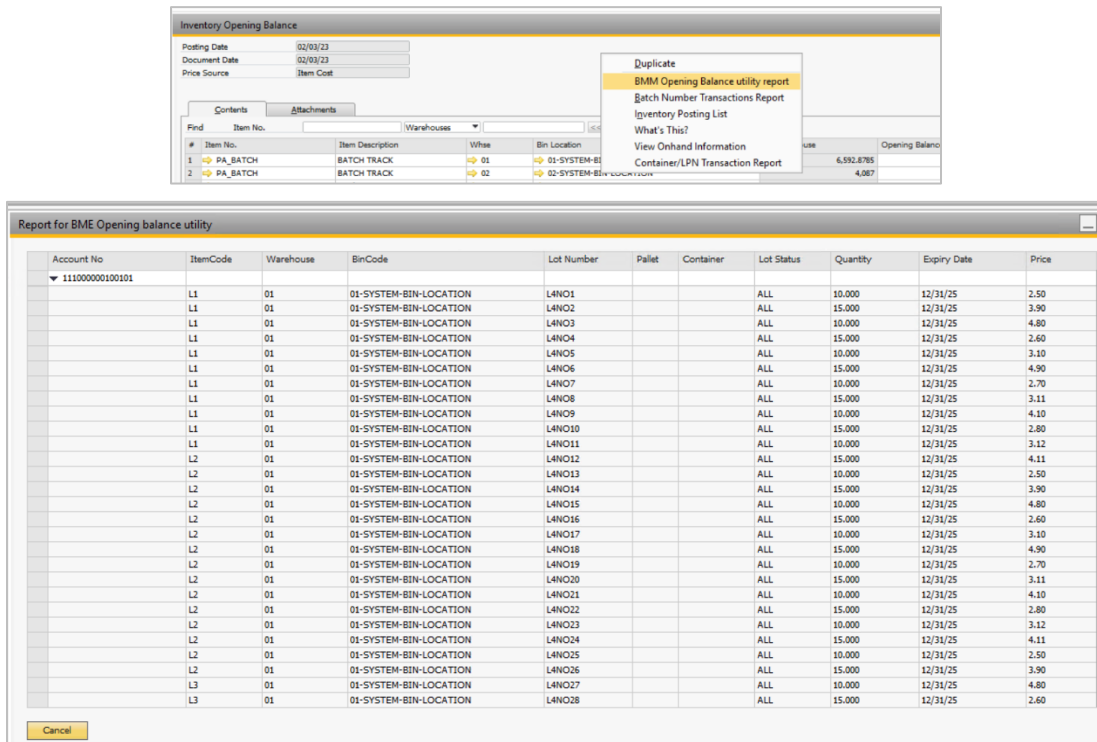
Import Exp. date and Lot Status ?

OK Cancel Add Items

SYSTEM-BIN-LOCATION L4NO32 ALL 15.000 12/31/25 3.11 111000000

3.3.1.1 Opening Balance Utility Report

BMM Opening Balance Utility Report option available in the context menu of the opening balance screen, shows data of the items that are imported through the Inventory Opening Balance Utility.



3.3.2 Inventory Counting Transaction

From BMM SAP 63.57.69 version onwards, BatchMaster ERP supports SAP inventory counting with BMM Bin Management. The SAP Standard Inventory Counting transaction is now enhanced to support BMM Lot status, LPN and container information. You can now post the inventory count on the basis of item lot status, LPN number and Container Number. The following enhancements are made on the SAP *Inventory Counting Transaction* screen.

- *Export Excel Template* and *Import Excel* (Validate Excel Only, Validate & Import Excel) buttons are added on the screen.

The following constraints will be observed on the screen

- *Counted Quantity* field is now disabled in the Item Grid.
- *Copy In-Whse Qty on Count Date* field will be disabled.

Prerequisites



- All Warehouses must be Bin Enabled
- Ensure that *Enable Transaction Notification* is on.

3.3.2.1 Performing SAP Inventory Counting with BMM Bin Management

1. Open the Inventory Counting Screen.



Inventory Counting

Count Date: 06/20/18 Time: 2:24PM No.: Primary 2
Counting Type: Single Counter Status: Open
Inventory Counter: User manager Ref. 2

General

Find Item No. Warehouses

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM	Counted Qty	Counted Qty	V...
1	RM001	RM001	<input type="checkbox"/>	01	01-SYSTEM	990.000	<input type="checkbox"/>			0.000	
2	BOX	BOX	<input type="checkbox"/>	01	01-SYSTEM	132.000	<input type="checkbox"/>			0.000	
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>			0.000	
						1,122.000					

Remarks

OK Cancel Add Items Adjust Counted Quantities

BatchMaster Options
Export Excel Template
Validate Excel only
Validate & Import Excel
Import from BatchMaster WMS

4. The *Export Excel Template* screen appears.

Export Excel Template

Choose Folder to Save the File: C:\Users\amitaj\Desktop

Order By:
 Item-Bin
 Bin-Item

Export Cancel

On the screen, specify the following details:

Choose Folder to Save the File: Using the *Browse* button, specify the folder to save the generated Excel file in.

Order By: Choose the required *Order By* option to sort and fill the Item details in the Excel sheet.



- a. **Item-Bin:** Indicates that the sorting will be performed by item. All items will be filled in ascending order of their code, within one item all its bins in ascending order.
 - b. **Bin-Item:** This option indicates that sorting will be performed by bin. The Excel sheet will be filled with bin numbers in ascending order, within one bin with items in ascending order.
5. Click on the *Export* button. This will generate an excel workbook containing SAP inventory details with some additional fields from BMM such as *LPN, Lot Status, Container Number*.
6. The Excel file is generated with the name ***PhysicalCount-DocNo(<DocNo>-mmddyyyy hhmmss.xlsx***, on the specified path.
7. Open the Excel File. Here you can see two different worksheets, named as *PhysicalCount* and *PhysicalCountLF*. Open the *PhysicalCount* worksheet and enter the counted quantity of the item lots on the basis of their Lot status, Container No and LPN number.
8. In the *PhysicalCountLF* worksheet you can maintain details of those inventory items which are not there in the Excel sheet or not there in stock but are found during counting.
9. Click the *Save* button to save information updated in the Excel worksheets.
10. Using the *Validate Excel Only/Validate and Import Excel* options available in the *BatchMaster Options* dropdown, import the data updated in the Excel worksheet to the SAP inventory Counting document. You can perform this action in any of the following ways.
 - a. **Validate Excel Only:** Using this option you can validate the Excel worksheet. If any error is found during record validation the system enters the description of the error in the *ErrorDesc* column. You can rectify errors and import the data using the *Validate and Import Excel* option.
 - b. **Validate and Import Excel:** Using this option you can validate and import the Excel data into the Inventory Counting document. Again, if the system finds any error during the validation process then the *ErrorDesc* column is updated with the details. In such cases, you need to correct the error and import it again using the *Validate and Import Excel* button. The System imports the counted quantity and serial/lot information into the Inventory Counting Document.



Inventory Counting

Count Date: 06/21/18 Time: 4:29PM No.: Primary 3
Counting Type: Single Counter Status: Open
Inventory Counter: User manager Ref. 2

General

Find Item No. Warehouses

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM	Counted Qty	Counted Qty	V...
1	RM001	RM001	<input type="checkbox"/>	01	01-SYSTEM	0.000	<input type="checkbox"/>			0.000	
2	BOX	BOX	<input type="checkbox"/>	01	01-SYSTEM	0.000	<input type="checkbox"/>			0.000	
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>			0.000	

Remarks

OK Cancel Add Items Adjust Counted Quantities

BatchMaster Options
Export Excel Template
Validate Excel only
Validate & Import Excel
Import from BatchMaster WMS



11. For any reason, if you are required to reimport the excel sheet, then click on the *Set as Not Counted* button. It will reset the previously imported excel sheet. You can import the excel sheet again.

The screenshot shows the 'Inventory Counting' window with the following details:

- Count Date: 06/21/18
- Time: 4:29PM
- No.: Primary 3
- Counting Type: Single Counter
- Status: Open
- Inventory Counter: User manager
- Ref. 2: [Empty]

The 'General' tab is active, showing a table with the following data:

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM	Counted Qty	V...
1	RM001	RM001	<input type="checkbox"/>	01	01-SYSTEM	0.000	<input checked="" type="checkbox"/>		123.000	
2	BOX	BOX	<input type="checkbox"/>	01	01-SYSTEM	0.000	<input checked="" type="checkbox"/>		303.000	
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>		0.000	

At the bottom of the window, the 'Adjust Counted Quantities' dropdown menu is open, and the 'Set as Not Counted' option is highlighted in red. Other options include 'Copy In-Whse Qty on Count Date', 'OK', 'Cancel', 'Add Items', and 'Copy to Inventory Posting'.



12. Further, you can use the *Copy to inventory posting* button to import/post the counting result and update inventory with the actual count and lot-bin details.

The screenshot shows the 'Inventory Counting' dialog box with the following details:

- Count Date: 06/21/18, Time: 4:29PM, No.: Primary 3
- Counting Type: Single Counter, Status: Open
- Inventory Counter: User manager, Ref. 2

The 'General' tab contains a table with the following data:

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM	Counted Qty	Counted Qty	V...
1	RM001	RM001	<input type="checkbox"/>	01	01-SYSTEM	0.000	<input checked="" type="checkbox"/>			123.000	
2	BOX	BOX	<input type="checkbox"/>	01	01-SYSTEM	0.000	<input checked="" type="checkbox"/>			303.000	
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>			0.000	
									426.000	6.000	

At the bottom of the dialog, the 'Copy to Inventory Posting' button is highlighted with a red box. Other buttons include 'OK', 'Cancel', 'Add Items', 'Adjust Counted Quantities', and 'BatchMaster Options'.

3.3.2.2 Data Validation

Following is a list of validations applicable for SAP Inventory Counting with BMM Bin Management

Item Validation

<ul style="list-style-type: none"> Item Code Cannot be Blank
<ul style="list-style-type: none"> Invalid Item Code
<ul style="list-style-type: none"> Item is not an Inventory Item
<ul style="list-style-type: none"> Item is Inactive
<ul style="list-style-type: none"> Item Description is Invalid

Warehouse Validations

<ul style="list-style-type: none"> Warehouse cannot be Blank
<ul style="list-style-type: none"> Invalid Warehouse
<ul style="list-style-type: none"> Warehouse is Inactive
<ul style="list-style-type: none"> Warehouse is DropShip Warehouse
<ul style="list-style-type: none"> Bin is not enabled at Warehouse



Lot/Serial Validations

- | |
|---|
| <ul style="list-style-type: none">• Lot No. cannot be blank, Item is Lot/Serial tracked |
| <ul style="list-style-type: none">• Lot No. must be blank, item is non tracked |

Bin Validations

- | |
|---|
| <ul style="list-style-type: none">• Bin cannot be Blank |
| <ul style="list-style-type: none">• Invalid Bin |
| <ul style="list-style-type: none">• Bin is disabled |
| <ul style="list-style-type: none">• BinCode does not belongs to the warehouse |

Lot Status Validations

- | |
|--|
| <ul style="list-style-type: none">• Lot Status cannot be blank |
| <ul style="list-style-type: none">• Invalid Lot Status |

LPN Validation

- | |
|---|
| <ul style="list-style-type: none">• LPN must be placed at one Bin |
|---|

Container Validations

- | |
|---|
| <ul style="list-style-type: none">• Container Must be Valid Integer No. |
|---|

UOM Validations

- | |
|--|
| <ul style="list-style-type: none">• UOM Code cannot be blank |
| <ul style="list-style-type: none">• UOM Code does not belongs to SAP UOM |

Serial tracked Item Serial No Validation

- | |
|---|
| <ul style="list-style-type: none">• Serial Track Item must have quantity 0 or 1 |
|---|

Quantity Validation

- | |
|--|
| <ul style="list-style-type: none">• Quantity must be more than or equal to 0 |
|--|

Date Validation

- | |
|---|
| <ul style="list-style-type: none">• Date must be in YYYYMMdd Format |
|---|



4 INVENTORY REPORTS

4.1 Lot LPN/Container Detail Report

Only the reports that focus on process manufacturing inventory are discussed below.

You can generate a *Lot LPN/Container Report* for one or more warehouses, one or more bins, one or more items, and one or more lot numbers.

Go To: Main Menu → Inventory → Inventory Reports → Lot LPN/Container Detail Report

Warehouse From	01
Warehouse To	01
Bin From	01-1
Bin To	01-SYSTEM-BIN-LOCATION
Item Code From	BK0001
Item Code To	RM0008
Lot From	Lot001
Lot To	B1-001

Exclude Expired Lots

Print Cancel



To select the desired values in all the above fields, you can use the lookup menus close to the fields. Leaving the *From* field blank is the same as selecting the first value from the lookup menu. Leaving the *To* field blank is the same as choosing the last value from the lookup menu.

Exclude Expired Lots: Mark this checkbox to exclude the expired lots in the displayed report.

Print: Click the *Print* button to generate the report.

Cancel: Click the *Cancel* button to close the screen without generating the report.



Lot LFN/Container Detail Report

Item Code	Item Description	Warehouse	Lot No	Bin	Lot Status	Quantity	Unit of Measure	Lot Strength	Container No	LPN No	ExpiryDate
FG00011	Mixed Fruit Jam	01-1	Lot 1	01-1-SYSTEMBIN-LOCATION	ALL	10,000	KG	100,000		0	
FG00011	Mixed Fruit Jam	01	L0001	01-SYSTEMBIN-LOCATION	ALL	10,000	KG	100,000		0	
FG00011	Mixed Fruit Jam	01	L0017	01-SYSTEMBIN-LOCATION	ALL	10,000	KG	100,000		0	
FG00011	Mixed Fruit Jam	01	mfy-fg-001	01-100	ALL	968,000	KG	100,000		0	
FG00011	Mixed Fruit Jam	01	mfy-fg-001	01-100	PLN-14	10,000	KG	100,000		0	
FG00011	Mixed Fruit Jam	01	mfy-fg-001	01-100	PLN-59	2,000	KG	100,000		0	
FG00011	Mixed Fruit Jam	01	MED-001	01-100	ALL	1,000	KG	100,000		0	
FG00011	Mixed Fruit Jam - 500gm	01	lot-5k	01-SYSTEMBIN-LOCATION	ALL	5,000,000	KG	100,000		0	
FG00011	Mixed Fruit Jam - 500gm	01	MP3-001	01-100	ALL	1,000,000	KG	100,000		0	
FG00011	Mixed Fruit Jam - 500gm	01	MP3-002	01-100	ALL	1,000,000	KG	100,000		0	
FG00011	Mixed Fruit Jam - 500gm	01	MP3-005	01-100	ALL	2,000,000	KG	100,000		0	
FG00022	Strawberry Jam - 500gm	01	1	01-1	ALL	1,000	KG	100,000		0	
FG00022	Strawberry Jam - 500gm	01	LOT001	01-1	ALL	2,000	KG	100,000		0	
FG00022	Strawberry Jam - 500gm	01	Lot-009	01-SYSTEMBIN-LOCATION	ALL	5,000,000	KG	100,000		0	
FG00022	Strawberry Jam - 500gm	01	S3-0006	01-100	ALL	1,870,000	KG	100,000		0	
FG00022	Strawberry Jam - 500gm	01	S3-0006	01-100	PLN#8	10,000	KG	100,000		0	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	1	01-100	ALL	2,000	KG	100,000		LPN0075	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	1	01-100	ALL	50,000	KG	100,000		LPN0077	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	23	01-SYSTEMBIN-LOCATION	ALL	50,000	KG	100,000		LPN0072	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	344	01-100	ALL	50,000	KG	100,000		LPN0077	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	4	01-SYSTEMBIN-LOCATION	ALL	50,000	KG	100,000		LPN0071	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	66	01-SYSTEMBIN-LOCATION	ALL	50,000	KG	100,000		LPN0074	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	67	01-100	ALL	50,000	KG	100,000		LPN0075	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	lot123	01-100	ALL	11,000	KG	100,000		LPN0061	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	Lot-565	01-SYSTEMBIN-LOCATION	ALL	4,996,000	KG	100,000		LPN0074	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	346	01-SYSTEMBIN-LOCATION	ALL	50,000	KG	100,000		LPN0074	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	SB-0002	01-SYSTEMBIN-LOCATION	ALL	2,000	KG	100,000		LPN0058	
FG00033	Strawberry Mixed Fruit Jam - 500gm	01	SB-0002	01-SYSTEMBIN-LOCATION	ALL	1,871,000	KG	100,000		LPN0074	
FG0004	Green Tea	01	0011	01-100	DOC	10,000	KG	100,000		0	
FG0004	Green Tea	01	01	01-100	DOC	500,000	KG	100,000		0	
FG0004	Green Tea	01	02	01-103	DOC	900,000	KG	100,000		LPN0003	
FG0004	Green Tea	01	0907	01-SYSTEMBIN-LOCATION	DOC	100,000	KG	100,000		LPN0002	
FG0004	Green Tea	01-100	BT-001	01-100-1	B	500,000	KG	100,000		0	
FG0004	Green Tea	01-1	FG0004-0001	01-1-SYSTEMBIN-LOCATION	DOC	11,000	KG	100,000		0	
FG0004	Green Tea	01	FG0004-0001	01-SYSTEMBIN-LOCATION	DOC	29,000	KG	100,000		0	
FG0004	Green Tea	01	FG0004-0002	01-104	DOC	2,000	KG	100,000		0	

6402/25
9:31AM

Activate Windows
Go to Settings to activate Windows.

Allocation Details

SAP Business One

Various filters can also be applied to tailor the report output to your specific needs for example you can have quick access to the BMM Lot Strength values. To apply a filter, right-click on the appropriate column heading, then select *Filter Table*.

For Lot strength:

- The *Lot Strength* column will only be visible when the *Optimization* switch is turned off.
- This feature is designed to function exclusively within the non-optimized mode, as the lot strength functionality is only available when the switch is off.

4.2 Inventory Detail Report



The *Inventory Detail Report* displays the location, quantity, and cost data for selected inventory items.

Go To: Main Menu → Inventory → Inventory Reports → Inventory Detail Report

Field	From	To
Warehouse	01	05
Bin	01-SYSTEM-BIN-LOCATION	01-REC01
Item	RM0010	RM0019
Lot	RM0010005	RM0015003

Item Group: Items
Lot Status: Receiving

Display Cost Information
 Show Inventory by Stock Value

Sort By:
 Warehouse / Bin
 Item
 Lot
 Item Group
 Lot Status

Execute Cancel

Warehouse From/To: Select starting and ending values of the warehouse for which the report will be generated.

- Leaving the *From* field blank is the same as choosing the first value from the lookup menu.
- Leaving the *To* field blank is the same as selecting the last value from the lookup menu.

Bin From/To (optional): Limit the bins for which the report will be generated.

Item From/To (optional): Select starting and ending values of the items for which the report will be generated.

Lot From (optional): Select starting and ending values of the lots for which the report will be generated.

Item Group (optional): Filter the report for a specific item group.

Lot Status (optional): Filter the report for a specific lot status.

Display Cost Information: Check this box to display [current cost] x [current quantity] information on the report. (Note: This may not be the same as the current inventory valuation.)

Show Inventory by Stock Value: Select this checkbox in addition to the *Display Cost Information* checkbox to display the current inventory valuation.



Sort By: Choose a field by which to sort the information. (Data can be resorted once the report is generated.)

Execute: Click the *Execute* button to display the report.

Cancel: Click the *Cancel* button to close the screen without printing the report.

You can change the sorting parameters by clicking the radio buttons at the top of the *Inventory Detail Report* screen.

Warehouse	BinNo	Lot Status	ItemCode	ItemName	LPN	Container No	Quantity	Inventory UoM	LotNo	Inventory Value
01	01-REC01	ALL	RM0010	All-purpose Flour		0	10.000	KG	RM0010005	20.00
01	01-REC01	ALL	RM0011	Baking Soda		0	7.000	KG	RM0011003	2.06
01	01-REC01	ALL	RM0011	Baking Soda		0	10.000	KG	RM0011004	2.94
01	01-REC01	ALL	RM0012	Salt		0	5.000	KG	RM0012003	6.67
01	01-REC01	ALL	RM0012	Salt		0	10.000	KG	RM0012004	13.33
01	01-REC01	ALL	RM0013	Vanilla Extract		0	100.000	LT	RM0013003	1000.00
01	01-REC01	ALL	RM0014	Butter (Softened)		0	200.000	KG	RM0014003	8600.00
01	01-REC01	ALL	RM0015	Granulated White		0	433.000	KG	RM0015003	13856.00
						0			Total	23501.00
						0			Grand Total	23501.00

Various filters can be applied to tailor the report output to your specific needs.



4.3 Time Phase Inventory Report

You can use the *Time Phase Inventory Report* to find the 'available to promise' status of an item based on your selection criteria.

Go To: Main Menu → Inventory → Inventory Reports → Time Phase Inventory Report

Date	Warehouse	Gross Requirement	Scheduled Receipt	Projected Available	Order Type	Order No.	Status
11/03/14	01	0.00	0.00	982.00	In Stock		
11/14/14	01	1,000.00	0.00	0.00	Sales Order	365	Open

Header

Through Date: All requirements up through this date will be displayed on screen.

Item: Select the item number for which you want to examine availability.

Description: The description of the item selected in the *Item* field.

Unit of Measure: The unit of measure of the item selected in the *Item* field.

Warehouse: The warehouse for which you want to examine availability of the item.

Find: Click the *Find* button to display availability data.

Cancel: Click the *Cancel* button to close the screen.



Grid Details

Date: The date of the demand for the item.

Gross Requirement: The quantity needed.

Scheduled Receipt: The expected date for a supply order (i.e., a purchase order or production batch).

Projected Available: The balance that can be used to satisfy other orders.

Order Type: The reason for the demand. For example, entering 'In Stock' in the *Order Type* field indicates the available balance (supply) before any demand.

Order No: The document driving the demand.

Status: The document status (Open, Planned, Firm, etc.).

4.4 Inventory Workbench Report

The *Inventory Workbench Report* displays inventory information in seven tabs:

- *Inv. Below Safety Stock.*
- *Excessive Inv.*
- *Lot Exp.*
- *Over/Under Issues.*
- *Item Usage.*
- *Late SO's.*
- *Late PO's.*

Various filters can also be applied to each tab to tailor the report output to your specific needs. To apply a filter, right-click on the relevant tab heading and then click the *Filter Table* button.





4.4.1 Inventory Below Safety Stock

The *Inv. below Safety Stock* tab displays items that have an 'on hand' quantity that is less than the required safety stock quantity.

Go To: Main Menu → Inventory → Inventory Reports → Inventory Workbench Report

Inventory Workbench Report									
Inv. below Safety Stock			Excessive Inv.	Lot Exp.	Over/Under Issues	Item Usage	Late SO's	Late PO's	
#	Item No.	Item Description	Warehouse	UoM	Safety Stock	On Hand	Committed	On Order	Available
1	➔ A00005	Olive Oil virgin	➔ 02	GAL	50.000000	30.000000	0.000000	0.000000	30.000000
2	➔ B10000	Almonds	➔ 01	LB	1,000.000000	500.000000	0.000000	0.000000	500.000000

4.4.2 Excessive Inventory

The *Excessive Inv.* tab displays items in 'nettable' warehouses and bins (those that are visible to MPS/MRP) that have 'on hand' or 'available' quantity that is greater than the maximum quantity allowed.

Inv. below Safety Stock			Excessive Inv.	Lot Exp.	Over/Under Issues	Item Usage	Late SO's	Late PO's	
Based On <input checked="" type="radio"/> On Hand Quantity <input type="radio"/> Available Quantity									
#	Item No.	Item Description	Warehouse	UoM	Max. Inventory	On Hand	Committed	On Order	Available
1	➔ A00003	Citrus Oil	➔ 01	GAL	1,000.000000	1,091.000000	2.000000	2.000000	1,091.000000
2	➔ A00004	Olive Oil	➔ 01	GAL	500.000000	1,031.000000	15.000000	8.000000	1,024.000000
3	➔ C00002	Chopped Capsicum (Yellow)	➔ 01	LB	1,000.000000	1,132.000000	3.000000	3.000000	1,132.000000
4	➔ C00003	Chopped Onions	➔ 01	LB	1,000.000000	1,027.000000	5.000000	8.000000	1,030.000000
5	➔ C00005	Chopped Tomatoes (Red)	➔ 01	LB	1,000.000000	1,037.000000	0.000000	4.000000	1,041.000000
6	➔ C00007	Chopped Coriander	➔ 01	LB	500.000000	1,060.000000	0.000000	0.000000	1,060.000000
7	➔ C00009	Crystallized Garlic	➔ 01	LB	0.000000	1,058.000000	5.000000	11.000000	1,064.000000
8	➔ C00009	Crystallized Garlic	➔ 02	LB	0.000000	50.000000	0.000000	0.000000	50.000000
9	➔ C00010	Crystallized Ginger	➔ 01		0.000000	1,021.000000	5.000000	5.000000	1,021.000000



If you need to edit *Item Master* inventory data (for example, the Safety Stock quantity), click on the golden arrow to the left of the item number to open the *Item Master* screen. You can edit this screen if your authorization level permits you to do so.

4.4.3 Lot Expiration

The *Lot Exp.* tab lists the lots that have expired and must be re-certified or destroyed.

Inv. below Safety Stock			Excessive Inv.	Lot Exp.	Over/Under Issues	Item Usage	Late SO's	Late PO's	
#	Item No.	Item Description	Lot Number	Expiration Date	Days	Warehouse	Quantity	UoM	
151	➔ IN0010	Chocolate Chip Cookie Dough	IN0010-003	05/01/14	-187	➔ 05	51.000000	LB	



4.4.4 Over/Under Issues

You can use the *Over/Under Issues* tab to find out when material transactions must be rebalanced.

Inv. below Safety Stock			Excessive Inv.		Lot Exp.		Over/Under Issues		Item Usage		Late SO's	Late PO's
#	Batch Number	Warehouse	Item No.	Item Description	Required Qty.	UoM	Issue Qty.	Over/Under	Formula	Finished Good		
24	⇒ B041001-001	⇒ 05	⇒ IN0031	Stuffed Sausage	150.000000	LB	0.000000	150.000000	FM009	FG0030		
25	⇒ B041001-001	⇒ 05	⇒ PK0025	Tray - 12 Oz S	200.000000	EACH	0.000000	200.000000	FM009	FG0030		
26	⇒ B041001-001	⇒ 05	⇒ PK0024	Label - 12 Oz S	200.000000	EACH	0.000000	200.000000	FM009	FG0030		
27	⇒ B041001-002	⇒ 05	⇒ IN0030	Blend Sausage	148.351648	LB	0.000000	148.351648	FM008	IN0031		
28	⇒ B041001-002	⇒ 05	⇒ RM0068	Casing	1.648352	LB	0.000000	1.648352	FM008	IN0031		
29	⇒ B041001-003	⇒ 05	⇒ RM0061	Ground Meat	115.144092	LB	0.000000	115.144092	FM007	IN0030		

4.4.5 Item Usage

This tab provides the usage history for the selected item, starting with the current month and displaying up to twelve prior months.

Inv. below Safety Stock			Excessive Inv.		Lot Exp.		Over/Under Issues		Item Usage		Late SO's	Late PO's
#	Item No.	Item Description	November	October	September	August	July	June	May	April		
1	⇒ RM0010	All - Purpose Flour	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	22.292361	97.115236		
2	⇒ FG0020	All Purpose Seasoning - 1 LB	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	10.000000	0.000000		
3	⇒ RM0011	Baking Soda	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.445847	1.942305		
4	⇒ RM0031	Black Pepper 28 Mesh	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	20.004001		
5	⇒ PK0040	Bottle- 1L OJ	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000		
6	⇒ PK0060	Bottle- 1LB APC	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	20.000000	10.000000		
7	⇒ PK0010	Box - 1LB CCC	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	20.000000		
8	⇒ RM0016	Brown Sugar	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	6.687708	30.014730		
9	⇒ RM0014	Butter (softned)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	8.359635	36.418214		

4.4.6 Late Sales Orders

You can use the *Late SO's* tab to highlight sales orders with line items that are due to ship prior to 'today'.

Inv. below Safety Stock			Excessive Inv.		Lot Exp.		Over/Under Issues		Item Usage		Late SO's	Late PO's
#	Document No.	Item No.	Item Description	Warehouse	Quantity	UoM	Doc.Date	Del.Date	Customer	Shipping Type		
53	⇒ 355	⇒ FG0010	Chocolate Chip Cookie Box - 1LB	⇒ 01	10.000000	EACH	04/16/14	04/16/14	C10101	Fedex EM		
54	⇒ 357	⇒ FG0020	All Purpose Seasoning - 1 LB	⇒ 05	100.000000	EACH	04/30/14	04/30/14	C10101	Fedex EM		
55	⇒ 358	⇒ FG0010	Chocolate Chip Cookie Box - 1LB	⇒ 05	100.000000	EACH	05/05/14	06/13/14	C10101	Fedex EM		
56	⇒ 359	⇒ FG0010	Chocolate Chip Cookie Box - 1LB	⇒ 05	200.000000	EACH	05/05/14	06/05/14	C10101	Fedex EM		

4.4.7 Late Purchase Orders

The *Late PO's* tab highlights purchase orders with line items that should have been received prior to 'today'.



	Inv. below Safety Stock	Excessive Inv.	Lot Exp.	Over/Under Issues	Item Usage	Late SO's	Late PO's			
#	Document No.	Item No.	Item Description	Warehouse	Quantity	UoM	Doc. Date	Del. Date ▾	Vendor	Total
61	⇒ 421	⇒ PK0040		⇒ 05	10,000.000000	EACH	05/05/14	05/05/14	V10101	1,000.00
62	⇒ 421	⇒ PK0041	Label - 1L OJ	⇒ 05	10,000.000000	EACH	05/05/14	05/05/14	V10101	5,000.00

4.5 Available to Promise Report

The *Available-to-Promise* (ATP) report provides additional information about item availability for the selected item, such as the uncommitted stock and receipts available to satisfy potential customer orders. Before planning and committing any production order, you can view the availability of the items. You can also use this report to check the planned inventory transactions for a specific item.

The details visible in this report are document number, order date, delivery date, committed quantity, ordered quantity, available quantity, unit of measure, and item per unit. By clicking the hyperlink of the document number you can view the transaction made related to that material.

This form-based report can be viewed by right-clicking on the *Item Master Data* screen and selecting the *Available-to-Promise* option.

You can also access this report from the *Sales Order* screen. On the SO screen, right-clicking on the specific line item in the grid shows the *Available-to-Promise* option which you can choose to access the report.

You can view the on-hand quantity in a particular warehouse by selecting the warehouse from the drop-down.



Go To: Main Menu → Inventory → Inventory Reports → Demand Supply Report

Demand Supply Report - Selection Criteria

Demand End Date: 11/07/17

Item From: Bottle

Item To: Xanthan

Warehouse From: 01

Warehouse To: 01

Item Group

Item Properties

Deduct safety stock

Include QC lead time

Display items with activites only

Display critical items only

OK Cancel

Demand End Date: This field displays the demand end date.

Item From: Select the lower limit of the range of items whose demand/supply details you want to display on the report.

Item To: Select the upper limit of the range of items whose demand/supply details you want to display on the report.

Warehouse From: Select the lower limit of the range of warehouses whose demand/supply details you want to display on the report.

Warehouse To: Select the upper limit of the range of warehouses whose demand/supply details you want to display on the report.

Item Group: Select the checkbox, then click on the associated lookup to select the Item Group whose demand-supply details you want to display on the report.

Item Properties: Select the checkbox, then click on the associated lookup to select the Item Properties whose demand-supply details you want to display on the report.

Deduct safety stock: Select this checkbox to deduct the safety stock before calculating the item on-hand inventory.

Include QC lead time: Select this checkbox to add QC lead time to the delivery date for item supply documents.



Display items with activities only: Select this checkbox to filter out items for which there is no demand and supply data except the on-hand data.

Display critical items only: Select this checkbox to display only those records that are critical.

OK: Click this button to generate the *Demand Supply Report*. You can get either a summarized or detailed report by choosing the respective options from the drop-down menu.

Cancel: Click the *Cancel* button to exit the screen.

An example of a generated *Demand Supply Report* is shown below:

The screenshot displays the SAP Demand Supply Report interface. The main window shows a table with columns: ItemCode, Item Description, WhsCode, Delivery Date, Order Date, Demand/Supply, Document, and Currency. The table is grouped by ItemCode (FG001, PFG00, Rm001, Rm002) and further by WhsCode (01). The 'Demand/Supply' column indicates the type of activity (SUPPLY or DEMAND), and the 'Document' column lists associated documents (Tech1, P00001, P00002, BFD, OR 1, BSO001, OR 2, OR 3). A 'Generate Production Batch' dialog box is open on the right, showing a table with columns: Select, Date, Sch Start, Sch End, and Item. The first row is selected, showing a date of 11/01/17 and a quantity of 1. The dialog also has radio buttons for 'Batch' (selected) and 'Super Batch', and buttons for 'Generate', 'Cancel', 'Select All', and 'Clear Selection'.

Display: In summary mode, only the final date record of each item warehouse is shown. The detail mode displays the entire record of demand and supply for all items that are grouped by item warehouse.

Generate Purchase Requisition: Click this button to generate a Purchase Requisition/Purchase Order for the shortfall of inventory.



Generate Purchase Requisition

#	Select	Date	Item Code	Description	Whs Code	Quantity Required	Quantity to Order	U
1	<input checked="" type="checkbox"/>	15/10/18	⇒ 004	RM4	01	-311.500	-311.500	KG
2	<input checked="" type="checkbox"/>	15/10/18	⇒ 07vMilk	container	01	-703.738	-703.738	KG
3	<input checked="" type="checkbox"/>	15/10/18	⇒ 07vTea	Batch Intermediate	01	-158.000	-158.000	KG
4	<input checked="" type="checkbox"/>	15/10/18	⇒ 07vTeaAs	Batch Assem	01	-358.000	-358.000	KG
5	<input checked="" type="checkbox"/>	15/10/18	⇒ 07vTeaFg	Batch FG	01	-630.000	-630.000	KG
6	<input checked="" type="checkbox"/>	15/10/18	⇒ Apple pul	Apple Pulp	01	-318.079	-318.079	KG
7	<input checked="" type="checkbox"/>	15/10/18	⇒ Bom line	Bom line	01	-4,997.000	-4,997.000	KG
8	<input checked="" type="checkbox"/>	15/10/18	⇒ Chocolate I	Chocolate MRP	01	-50.000	-50.000	KG
9	<input checked="" type="checkbox"/>	15/10/18	⇒ Coffee Cc	Coffee Cocoa	01	-85.500	-85.500	KG
10	<input checked="" type="checkbox"/>	15/10/18	⇒ Coffee FG	Coffee FG01	01	-90.000	-90.000	KG
11	<input checked="" type="checkbox"/>	15/10/18	⇒ Coffee FG	Coffee FG01	03	-10.000	-10.000	KG
12	<input checked="" type="checkbox"/>	15/10/18	⇒ Coffee FG	Coffee FG01	INDORE	-10.000	-10.000	KG
13	<input checked="" type="checkbox"/>	15/10/18	⇒ Coffee FG	Coffee FG01	UJJAIN	-71.000	-71.000	KG
14	<input checked="" type="checkbox"/>	15/10/18	⇒ Coffee Jav	Coffee Java	01	-82.500	-82.500	KG
15	<input checked="" type="checkbox"/>	15/10/18	⇒ Coffee Jav	Coffee Java	04	-82.500	-82.500	KG
16	<input checked="" type="checkbox"/>	15/10/18	⇒ COOKIES	COOKIES BEG	01	-339.000	-339.000	KG
17	<input checked="" type="checkbox"/>	15/10/18	⇒ D-Bug	D-Bug	01	-2.000	-2.000	KG
18	<input checked="" type="checkbox"/>	15/10/18	⇒ D-Bug	D-Bug	02	-2.000	-2.000	KG
19	<input checked="" type="checkbox"/>	15/10/18	⇒ DFG11	DFG11	01	-50.000	-50.000	KG
20	<input checked="" type="checkbox"/>	15/10/18	⇒ DFG13	FILL	01	-20.000	-20.000	KG
21	<input checked="" type="checkbox"/>	15/10/18	⇒ FG cocon	mvg avg	01	-170.000	-170.000	KG
22	<input checked="" type="checkbox"/>	15/10/18	⇒ FG01 MRF	FG01 MRP	01	-40.000	-40.000	KG
23	<input checked="" type="checkbox"/>	15/10/18	⇒ FG01 MRF	FG01 MRP	03	-30.000	-30.000	KG

Generate Purchase Requisition Purchase Order Combine PO/PReq

Select: Mark the checkbox to select a row. When you have made a selection, click the *Generate* button to create either a *Purchase Requisition* or a *Purchase Order* for the selected row.

Date: This field defaults the current server date and can be modified.

Item Code: This column displays the item code or identifier.

Description: This column displays the item identifier.

Quantity Required: This column displays the quantity required.

Quantity to Order: This column displays the quantity to order.

Unit: This column displays the unit of measure for the item.

Vendor: This column displays the vendor code or identifier.

Vendor Name: This column displays the vendor name.



Date: This field defaults the current server date and can be modified. .

Sch Start Date: Specify the scheduled start date of the batch.

Sch End date: Specify the scheduled end date of the batch.

Sch Start Time: This field is used to specify the scheduled start time of the batch.

Sch End Time: This field is used to specify the scheduled end time of the batch.

Item Code: This column displays the item code or identifier.

Description: This column displays the description for the Item Code.

Quantity Required: This column displays the quantity required.

Quantity to Order: This column displays the quantity to order.

Unit: This column displays the unit of measure for the item.

Formula Id: This field displays the formula used to create production batch/super batch

Batch Series: This field displays the default series of the production order.

Process Cell: Specify the process cell you need to associate with the batch.

QC Lead Time: Enter the QC lead time of the Batch/Super batch

Generate

Batch: Choose this option to create a Batch for the selected item.

Super Batch: Choose this option to generate a Super batch.

Default Batch Series: Specify the batch series you need to set as default.

Generate: Select the rows for which you want to generate either a Batch or a Super Batch. Now, click the *Generate* button to complete the request.

Cancel: Click the *Cancel* button to exit from the report.

Select All: Use this button to select all lines displaying in the grid.

Clear Selection: Use this button to remove the selection you made.]



4.7 Print COA Sales Report

From the Delivery screen you can generate the *COA Report* that will be issued to the customer when the material sold is dispatched. The report contains critical information regarding the quality tests applied on the finished goods and the results obtained in those tests. The report also prints QC test results for the intermediates for a range of fill- or assembly-type batches.



If intermediates are not available for assembly-type batches, the report will print the batch tests. If intermediates are not available for mix-type batches, the report will print the COA information.

The screenshot shows the 'Delivery' screen with a context menu open over the 'Contents' table. The menu includes options like 'Cancel', 'Close', 'Duplicate', and 'Print COA Sales Report' (highlighted in red). The 'Contents' table has one row with Item No. 'Sberry_juice001' and Quantity '1'. The 'Logistics' tab is active, and the 'Remarks' field contains 'Based On Sales Orders'.

#	Item No.	Quantity	Unit P
1	Sberry_juice001	1	

To print a *COA Report*, ensure the following:

- The finished good for which the COA is being generated should be a lot-tracked item.
- Set the value of the *Print on COA* field in the *Formula Entry* screen of the *QC Test* tab to *Yes*.
- Check the *Print on COA* option on the *Quality Control* tab of the *Item Master Details* screen.



COA Sales Report- Selection Criteria

Business Partner

Enter Business Partner: Carry

Sales Delivery Range

Enter Sales Delivery From: 1

Enter Sales Delivery To: 1

Delivery Date Range

Enter Delivery Date: From 15/07/17 To 20/07/17

Print Customer Specific Test:

OK Cancel

Sales Delivery Range

Enter Sales Delivery From: The lower limit of the delivery document number used to filter QC test details for the report.

Enter Sales Delivery To: The upper limit of the delivery document number range.

Delivery Date Range

Enter Delivery Date From: The lower limit of the range of delivery dates used to filter QC test details for the report.

Enter Delivery Date To: The upper limit of the range of delivery dates used to filter QC test details for the report.



Leaving any of these fields blank is the same as selecting the first and last available values in the lookups for the lower and upper limits, respectively.

Print Customer Specific Test: Select this checkbox if you wish to print the customer specific QC tests, if performed.

Print: Click the *Print* button to generate a report fulfilling the above specified criteria.

Cancel: Click the *Cancel* button to cancel the request for report generation.

An example of a generated *COA Report* is displayed below.



08/13/2018
17:48

CERTIFICATE OF ANALYSIS

QASQL_WMS_58

Customer : C01		Ship To : 97284 Mumbai INDIA	
Bill To : 8372 V Mornwallie PA 737523 USA			
Delivery Number: 30	Ship Date : 08/13/2018		
Product Name : Sberry_juice001 - Sberry_juice001		MFG. Date : 08/13/2018	
Lot # : L001		Expiry Date : 12/31/9999	

PROPERTIES

TEST DESCRIPTION	SPECIFICATION	TEST RESULT
COLOUR	Pass-Fail-Not Tested	Pass
COLOUR	Pass-Fail-Not Tested	Pass
COLOUR	Pass-Fail-Not Tested	Pass
COLOUR	Pass-Fail-Not Tested	Pass
COLOUR	Pass-Fail-Not Tested	Pass

4.8 Print Bill of Lading Report

The Bill of Lading report is a legal document between a shipper of a good and a transporter or carrier. The report includes the proper description of the shipping material such as type, quantity, destination of the good being carried. For hazardous materials, the report also prints the material identification number, proper shipping name, hazard class, packaging group etc.

To access the report window,

Go To: Sales A/R → Sales Reports → Bill of Lading Reports → Inventory Detail Report

You can also generate this report directly by using the Print Bill of Lading context menu of the *Delivery* screen and *Inventory Transfer* screen.



Print BOL For: Select the document type for which you want to print the Bill of Lading. Available options are Sales Delivery, Inventory Transfer, Inventory Transfer Request, A/R Invoice, A/P Credit Memo, Goods Return.

Date From: Specify the lower limit of a range of document dates from which the Bill of Lading report needs to be printed

Date To: Specify the upper limit of a range of document dates till when the Bill of Lading report needs to be printed.

Doc No From: Specify the lower limit of a range of document numbers for which the report needs to be printed. You can select the desired document number using the lookup near the field.

Doc No To: Specify the upper limit of a range of document numbers for which the report needs to be printed. You can select the desired document number using the lookup near the field.

Allow editing of Hazmat data before printing: The checkbox lets you modify printing details of the report before printing. After selecting this checkbox and you click the *OK* button, the *Edit Hazmat Details* screen appears. On the screen you can modify information such as item quantity, unit, weight, rate, charges.

Print: Click the *Print* button to generate a report fulfilling the above specified criteria.

Cancel: Click the *Cancel* button to cancel the request for report generation.

The generated report is displayed as below.



BILL OF LADING																					
QASQL_WMS_58				Shipper No																	
				Carrier No																	
				Date	3/10/19																
American Express																					
To :			From :																		
Consignee	C01		Shipper	QASQL_WMS_58																	
Street	9728A		Street																		
City / Zip/State			City / Zip/State																		
Warehouse			Warehouse																		
No Of Units & Container Type	HM	Basic Description	Total Quantity	Weight	Rate	Charges															
2.000KG		berry_slate	2.000KG	0	0	0															
PLACARDS TENDERED: Yes <input type="checkbox"/> No <input type="checkbox"/>																					
<p>Note: (1) Where the rate is dependent on value, Shippers are required to state specifically in writing the agreed or declared value of property, as follows: "The agreed or declared value of property is hereby specifically stated by the shipper to be not exceeding _____ per _____."</p> <p>(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See N.M.P.C. Item 172.</p> <p>(3) Commodities requiring special or additional care or attention in handling or stowage must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bill of Lading, Freight Bills and statements of Charges and Section 3(a) of the Contract Terms and Conditions for a list of such articles.</p>		<p>I hereby declare that the content of this consignment are fully accurately defined above the proper shipping name and are classified, packed, marked and labeled, placarded, and are in all respects in proper condition for transport according to applicable international and national</p>		Remit		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">COD To Address</td> <td>C.O.D. FEE PREPAID</td> </tr> <tr> <td>COD</td> <td>Amt</td> <td>C.O.D. FEE</td> </tr> <tr> <td colspan="2">Subject of section 7 of conditions, If this shipment is to be delivered to the consignee without recourse on the consigner shall sign the following document. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.</td> <td>TOTAL CHARGES: 0.00</td> </tr> <tr> <td colspan="2"></td> <td>FREIGHT CHARGES</td> </tr> <tr> <td colspan="2"></td> <td>FREIGHT PREPAID except when box is right to collect <input type="checkbox"/> Check box if charges are to be collect <input type="checkbox"/></td> </tr> </table>	COD To Address		C.O.D. FEE PREPAID	COD	Amt	C.O.D. FEE	Subject of section 7 of conditions, If this shipment is to be delivered to the consignee without recourse on the consigner shall sign the following document. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		TOTAL CHARGES: 0.00			FREIGHT CHARGES			FREIGHT PREPAID except when box is right to collect <input type="checkbox"/> Check box if charges are to be collect <input type="checkbox"/>
				COD To Address			C.O.D. FEE PREPAID														
				COD	Amt		C.O.D. FEE														
Subject of section 7 of conditions, If this shipment is to be delivered to the consignee without recourse on the consigner shall sign the following document. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		TOTAL CHARGES: 0.00																			
		FREIGHT CHARGES																			
		FREIGHT PREPAID except when box is right to collect <input type="checkbox"/> Check box if charges are to be collect <input type="checkbox"/>																			
Signature		Signature																			
<p>RECEIVED, subject to classifications and tariffs in effect on the date of this issue of this Bill of Lading. The property described above in apparent good order, except as noted (contents and condition of contents of packages unknown [marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person and corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route</p>																					



The *Shipping Type* specified on the *Delivery* screen will be printed as the *Name of Carrier* on the report.



4.9 BatchMaster Inventory Posting List Report

The *BatchMaster Inventory Posting List* report is a new enhancement that allows users to filter and generate inventory posting reports based on multiple selection criteria. This feature primarily aids in pallet traceability by displaying item codes, lot details, and pallet information along with the associated document type.

To access the report window,

Go To: Inventory → Inventory Reports → BatchMaster Inventory Posting List

BatchMaster Inventory Posting List - Selection Criteria

Item Code	From	BK0001	To	RM0006
Warehouse	From	01	To	01-100
Bin	From	01-1	To	01-100-106
Lot	From	FG0004-0002	To	
LPN	From		To	
Transaction Date	From		To	
Transaction Type		Production Order		
Production Order	From		To	

Group By: Warehouse Lot LPN None

Print Cancel

You can now specify ranges for various inventory attributes, enabling them to narrow down the report to specific items, warehouses, bins, lots, LPNs, and transaction dates. Additionally, the ability to group the report by Warehouse, Lot, or LPN offers further flexibility in organizing and analyzing the data.

- **Enhanced Inventory Visibility:** Users can track stock movements efficiently.
- **Improved Reporting:** Allows customized reporting based on item, location, and date filters.
- **Operational Efficiency:** Helps streamline warehouse and bin-level stock management.

This enhancement ensures better inventory control, streamlined tracking, and improved reporting accuracy for BatchMaster users.

Item Code (From & To): Specify a range of item codes to include in the report.

Warehouse (From & To): Select a range of warehouses for focused inventory analysis.

Bin (From & To): Filter inventory based on specific bin locations.

Lot (From & To): Include inventory from a specific range of lot numbers.

LPN (From & To): Filter based on License Plate Numbers (LPNs).



Transaction Date (From & To): Specify a date range for the inventory transactions.

Transaction Type: Clearly identifies the nature of each movement—such as receipt, issue, transfer, or adjustment—allowing users to categorize and analyze inventory actions more effectively.

- **Cost:** Displays the associated cost per transaction, enabling financial traceability and supporting valuation audits.

Grouping Options

Warehouse – Organizes inventory postings by warehouse locations.

Lot – Groups inventory data by lot numbers.

LPN – Groups postings based on License Plate Numbers.

Print Button: Generates and prints the inventory posting report based on the applied filters.

Cancel Button: Exits the screen without generating the report.

4.9.1 Working with BatchMaster Inventory Posting List

1. Navigate to the *BatchMaster Inventory Posting List*.

Go To: Inventory → Inventory Reports → BatchMaster Inventory Posting List.

2. The *BatchMaster Inventory Posting List - Selection Criteria* window will appear.
3. Enter the desired ranges for *Item Code*, *Warehouse*, *Bin*, *Lot*, *LPN*, and *Transaction Date*.
4. Select the desired grouping option (Warehouse, Lot, or LPN).
5. Click *Print* to generate the report based on the specified criteria.
6. Click *Cancel* to close the window without generating the report.

Example Scenario:

A user needs to analyze inventory transactions for a specific item range (BK0001 to RM1) in warehouses 01 to 01-100. Further, also want to group the report by Item Code wise.

1. Enter BK0001 in the *Item Code From* field and RM1 in the *Item Code To* field.
2. Enter 01 in the *Warehouse From* field and 01-100 in the *Warehouse To* field.



BatchMaster Inventory Posting List - Selection Criteria

Item Code	From	BK0001	To	RM1
Warehouse	From	01	To	01-100
Bin	From	01-1	To	01-SYSTEM-BIN-LOCA
Lot	From	Lot-001	To	FG0004-0006
LPN	From	A1	To	LPN00104
Transaction Date	From		To	

Group By Warehouse Lot LPN

3. They would click *Print* to generate the report.

BatchMaster Inventory Posting List

Item Code	Transaction Date	Document Type	Document No.	Lot Status	Warehouse	Bin No.	LotM	Lot No./Serial No.	LPN	Container No.	Quantity	Balance	Trans. User	
▼ BK0001														
	12/29/02	Goods Production Receipt	25	ALL	01	01-100	EACH				0.000	0.000	manager	
	12/29/02	Goods Production Issue	9	ALL	01	01-100	EACH				2,000.000	2,000.000	manager	
	06/22/23	Goods Production Receipt	6	ALL	01	01-100	EACH				0	-1,000	1,998.000	manager
	06/22/23	Goods Production Receipt	6	ALL	01	01-SYSTEM-BIN-LOCATION	EACH		LFH0032		0	1,000	1,999.000	manager
	06/22/23	Sales Delivery	1	ALL	01	01-SYSTEM-BIN-LOCATION	EACH		LFH0032		0	-1,000	1,998.000	manager
	06/22/23	Goods Production Receipt	6	ALL	01	01-100	EACH				0	-10,000	1,988.000	manager
	06/22/23	Goods Production Receipt	6	ALL	01	01-SYSTEM-BIN-LOCATION	EACH				0	10,000	1,998.000	manager
	06/22/23	Sales Delivery	2	ALL	01	01-SYSTEM-BIN-LOCATION	EACH				0	-10,000	1,988.000	manager
▼ CH0001														
	03/11/25	Goods Production Receipt	75	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot-001			0.000	0.000	manager	
											0	500.000	500.000	manager
▼ FG0001														
	12/19/02	Goods Production Receipt	7	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot-001			0.000	0.000	manager	
	12/19/02	Goods Production Receipt	8	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot-001			0	10,000	10,000	manager
	12/19/02	Goods Production Receipt	9	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot 1			0	100,000	111,000	manager
	12/19/02	Goods Production Receipt	13	ALL	01	01-100	KG	Apple-001			0	3,000.000	3,111.000	manager
	12/19/02	Goods Production Receipt	14	ALL	01	01-100	KG	my-fy-001			0	1,000.000	4,111.000	manager
	12/19/02	Goods Production Receipt	17	ALL	01	01-SYSTEM-BIN-LOCATION	KG	5		LFH001	0	7,000	4,128.000	manager
	10/25/23	Sales Delivery	3	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot 1			0	-1,000	4,108.000	manager
	10/25/23	Sales Delivery	3	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot-001			0	-1,000	4,108.000	manager
	07/11/24	Goods Receipt PO	4	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot-007			0	10,000	4,118.000	manager
	01/11/24	Sales Delivery	9	ALL	01	01-100	KG	my-fy-001			0	-20,000	4,098.000	manager
	05/04/24	Goods Production Receipt	05	ALL	01	01-100	KG	12112	LFH0068		0	10,000	4,108.000	manager
	07/15/24	Goods Production Issue	11	ALL	01	01-SYSTEM-BIN-LOCATION	KG	5	LFH001		0	-2,000	4,106.000	manager
	09/05/24	Goods Production Receipt	14	ALL	01	01-100	KG	Lot 1			0	10,000	4,116.000	manager
	09/05/24	Goods Production Receipt	14	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot 1			0	-10,000	4,106.000	manager
	09/05/24	Sales Delivery	11	ALL	01	01-100	KG	Lot 1			0	-10,000	4,096.000	manager
	10/16/24	Goods Receipt PO	5	ALL	01	01-1	KG	4	LFH0059		0	400,000	4,496.000	manager
	10/16/24	Goods Receipt PO	11	ALL	01	01-100	KG	MEK-001			0	1,000	4,497.000	manager
	01/03/25	Inventory Transfer	06	ALL	01	01-SYSTEM-BIN-LOCATION	KG	Lot 1			0	-10,000	4,487.000	manager
	01/03/25	Inventory Transfer	06	ALL	01-1	01-SYSTEM-BIN-LOCATION	KG	Lot 1			0	10,000	4,497.000	manager
	01/03/25	Sales Delivery	15	ALL	01	01-100	KG	Apple-001			0	-50,000	4,447.000	manager
	01/23/25	Sales Delivery	15	ALL	01	01-100	KG	Apple-001			0	-50,000	4,397.000	manager

Activate Windows



5 CATCH WEIGHT AND IMPLEMENTATION

5.1 Overview

Catch Weight items are the items for which dual units of measurement is required, the one in which item is logically counted at the time of receipt/shipment while the other unit is used to stock the item and perform transaction. Let's say you purchase an item in cases, cartons or pieces but is valued by weight.

BatchMaster ERP supports the catch weight at raw material and Finished good level. Using it, you can define the item as the Catch Weight item and can set different Counting Unit and Inventory Unit. Also, you can define a standard conversion between the logical unit and weight unit and set some nominal tolerance in weight.

Here note that the Catch weight implementation is pervasive across the system and will consider in all inbound, outbound, manufacturing transactions, Inventory counting, and document printing.

5.2 Prerequisites

Set the *Display Batch Quantities by option* as Inventory UoM.

The screenshot shows the 'General Settings' window with the 'Inventory' tab selected. The 'Display Batch Quantities By' option is highlighted with a red box, and the 'Inventory UoM' radio button is selected. Other settings visible include 'Management Method' set to 'On Every Transaction', 'Issue Primarily By' set to 'Serial and Batch Numbers', and 'Display Inactive Items In' checked for 'Reports' and 'Marketing Documents'.



5.3 Catch Weight Implementation

Catch Weight implementation is a two-step process and can be performed as follows.

5.3.1 Implementing Catch Weight on Company database

On the *Process Mfg Defaults* screen, a new tab *Catch Weight* is provided. From here you can *Activate Catch weight* on the database.

The screenshot shows the 'Process Mfg. Defaults' dialog box with the 'Catch Weight' tab selected. The 'Activate Catch Weight' checkbox is checked and highlighted with a red box. Below it is a 'Default Tolerance Group' dropdown menu. Under 'On shipping and invoicing documents', there are two radio button options: 'Show total weight of item' (selected) and 'Show individual weight of each case'. A 'Catch Weight Form Setting' button is also visible. 'OK' and 'Cancel' buttons are at the bottom.

Activate Catch Weight: Select this checkbox to set the item as catch weight item.

Default Tolerance Group: Set the Tolerance Group required to get defaulted for the Catch Weight item, at the *Item Master Details* screen.

Show Total Weight of Item: If this option is chosen then total weight along with number of cases will be printed on *Bill of Lading* documents

Show Individual Weight of each Case: Select this option if you wish to print the weight of individual case on *Bill of Lading* documents.

Catch Weight Form Setting: Choose this button to enable Catch Weight Fields on marketing documents.



If the setting does not work then you will have to reset form setting on Sales and Purchase documents and then choose this button again. You need to Re-login in BME B1 to see the effects of the setting.



5.3.2 Catch Weight Implementation on Item

Catch weight is an item specific feature and can be activated for the item for which you wish to record/track the item in counting unit and perform transaction in Inventory Stock Unit. Once the Catch Weight is implemented on the database, a new tab *Catch Weight* gets available to use on the *Item Master Details* screen. From here, you can activate catch weight on a specific item.

The screenshot shows the 'Item Master Details' window with the following fields and tabs:

- Item Number: Mng_001
- Description: Mng_001
- Alternate Desc: [Empty] GTIN: [Empty]
- Tabs: Inventory, Quality Control, UoM Conversion, Batch Options, **Catch Weight** (highlighted in red)
- Production UOM: [Empty]
- Planning Method: NONE
- Lot Strength: 100.000
- QC Lead Time(days): 0
- Sample Quantity: 0.000
- Sample UOM: [Empty]
- Sample Instructions: [Empty text area]
- Hazard Information for BOL:
 - Hazardous Material
 - UN/NA ID: [Empty]
 - Hazmat Shipping Name: [Empty]
 - Hazmat Class: [Empty]
 - Hazmat Packaging Group: [Empty]
- HMIS Personal Protection: [Empty] Show Image:
- Weighing tolerance: 0.000
- Buttons: OK, Cancel



Item Master Details

Item Number: Mng_001
Description: Mng_001
Alternate Desc: GTIN

Inventory | Quality Control | UoM Conversion | Batch Options | Catch Weight

<input checked="" type="checkbox"/> Catch Weight Item	
Weight UOM	KG
Count UOM	Pack
Nominal Weight	10.000 KG/Pack
Tolerance Group	TGP001
Upper Weight Limit	5.000
Lower Weight Limit	5.000
Ti-Hi	12.000
<input checked="" type="checkbox"/> Record catch weight for individual item in all transactions	

Update Cancel

Catch Weight Item: Select this checkbox to specify that the item is the Catch Weight Item.

Weight UOM: This field displays the inventory UOM defined for the item.

Count UOM: Enter the unit in which the item will be counted.

Nominal Weight: Enter the conversion of Inventory UOM to Count UOM here.

Tolerance Group: This field defaults the tolerance group attached at the *Process Mfg Defaults* screen. If require you can select other required group.

Upper Weight Limit: Field shows the upper tolerance limit defined for the attached *Tolerance Group*. If require, you can override it.

Lower Weight Limit: Field shows the upper tolerance limit defined for the attached *Tolerance Group*. If require you can override it.

Ti-Hi: Ti-by-Hi, defines pallet size for this item. This field is defined for future use in WMS system.

Record Catch Weight for Individual item in all screens: If this option is selected the system will record catch weight of each individual case.



Purchase Order - Split

Vendor: v001, Name: v001, Contact Person: , Vendor Ref. No.: , BP Currency: \$

No.: Primary, Status: Open, Posting Date: 01/19/21, Delivery Date: 01/19/21, Document Date: 01/19/21

Item/Service Type	Item	Quantity/Count	Unit Price	Items per Unit	BMM CATCH...	Qty Weight	BM...
CW001		5	\$ 2.00	20.000000	Y	100	

Buyer: -No Sales Employee-, Owner: , Total Before Discount: \$ 10.00, Discount: %, Rounding: \$ 0.00

Item Master Details

Item Number: CW001, Description: CW001, Alternate Desc: GTIN

Inventory | Quality Control | UoM Conversion | Batch Options

Catch Weight Item

Weight UoM: KG

Count UoM: Pack

Nominal Weight: 20.000 KG/Pack

Tolerance Group: TGP001

Upper Weight Limit: 5.000

Lower Weight Limit: 5.000

Tr-Hi: 12.000

Record catch weight for individual item in all transactions

5.3.4.2 Goods Receipt PO

At the time of PO receipt, if require you can modify the Quantity Weight you are receiving.

Goods Receipt PO

Vendor: v001, Name: v001, Contact Person: , Vendor Ref. No.: , BP Currency: \$

No.: Primary, Status: Open, Posting Date: , Due Date: , Document Date:

#	Item No.	Quantity/Count	Qty Weight	Unit Price	Whse	Summary Typ
1	CW001	4	80			01
2						

Buyer: -No Sales Employee-, Owner: , Total Before Discount: , Discount: %, Rounding: , Tax: , Total Payment Due:

Item Master Details

Item Number: CW001, Description: CW001, Alternate Desc: GTIN

Inventory | Quality Control | UoM Conversion | Batch Options | Catch Weight

Catch Weight Item

Weight UoM: KG

Count UoM: Pack

Nominal Weight: 20.000 KG/Pack

Tolerance Group: TGP001

Upper Weight Limit: 5.000

Lower Weight Limit: 5.000

Tr-Hi: 12.000

Record catch weight for individual item in all transactions

OK Cancel



Click on the *Add* button to process the receipt. It opens the Batches-Setup screen to specify Bin lot details.

Batches - Setup

Rows from Documents

#	Doc. No.	Item Number	Item Description	Whse Code	Total Needed	Total Created
1	PD 14	CW001	CW001	01	100	100

Created Batches No. of Container

#	Batch	Qty	Bin L...	BMM Lot Strength	BMM Reason ...	BMM No. Of Cont...
1	B001	100	100	100		0

Created Batches Created Qty

OK Cancel Automatic Allocation You Can Also

On the screen, enter batch details and then click on the No of Container hyperlink.



Batches - Setup

Rows from Documents

#	Doc. No.	Item Number	Item Description	Whse Code	Total Needed	Total Created
1	PD 14	CW001	CW001	01	100	100

Created Batches

#	Batch	Qty	Bin L...	BMM Lot Strength	BMM Reason ...	BMM No. Of Cont...
1	B001	100	100	100		0

Created Batches: 1 Created Qty: 100

Buttons: OK, Cancel, Automatic Allocation, You Can Also

No. of Container → 0

On the *Container Receipt* screen, the, *Quantity/Weight, Counts* are displayed.

Container Selection - Receipt

#	Lot No.	Bin No	Quantity/Weight
	B001	01-SYSTEM-BIN-LOCATION	100.0

Nominal Case Weight: 20.000 No of Case: [] Generate Case

#	Temp Contain...	Lot Status	Qty/Weight	Count
1			100.000	5
2			0.000	

Buttons: OK, Cancel



For the *Containerized* item, the *Container Selection Receipt* screen is modified with following changes to manage the Catch Weight item.

#	Lot No.	Bin No	Quantity/Weight
B001		01-SYSTEM-BIN-LOCATION	100.0

Nominal Case Weight: 25.000 No of Case: 4

Generate Case

#	LPN#	Temp Contain...	Lot Status	Qty/Weight
1			1	25.000
2			2	25.000
3			3	25.000
4			4	25.000
5				0.000
				100.000

Update Cancel

Nominal Case Weight: Displays the nominal weight you specified for the item at the *Item Master Details* screen.

No of cases field: Use this field to enter the number of counts of cases you are receiving at the purchase.

Generate Cases: Click on this button to generate number of lines in the grid on the basis of *No of cases* you specified.

Also, on the screen you can observe that the Quantity field is now displayed as *Quantity/Weight* in the grid.



5.3.4.3 Goods Receipt

Similar process flow works, as discussed above, can be observed at the time of Goods Receipt and other inbound transactions.

The screenshot displays the SAP Business One Goods Receipt interface. The main window is titled "Goods Receipt" and shows a form with fields for Number (4), Series (Primary), Posting Date (01/19/21), Document Date (01/19/21), Price List (Last Purchase Price), and Ref. (2). Below the form is a table with columns: #, Item No., Qty Weight, Unit Price, Quantity/Count, Total, and Whse. The first row contains: 1, CW003, 80, \$ 3.00, 4. The "Add" button is highlighted with a red box. To the right, the "Batches - Setup" window is open, showing a table with columns: #, Doc. No., Item Number, Item Description, Whse Code, Total Needed, and Total Created. The first row contains: 1, SI 4, CW003, CW003, 01, 80, 80. Below this, the "Container Selection - Receipt" window is open, showing a table with columns: #, Lot No., Bin No., and Quantity/Weight. The first row contains: #, B701, 01-SYSTEM-BIN-LOCATION, 80.0. Below this, the "Nominal Case Weight" is set to 20.000 and "No of Case" is set to 4. The "Generate Case" button is highlighted with a red box. To the right, another window shows a table with columns: length, BMM Reason..., and BMM No. Of Cont... The "No. of Container" field is highlighted with a red box and an arrow pointing to it.



5.3.5 Catch Weight support in outbound transaction

5.3.5.1 Sales Order

When creating the Sales Order you can mention the Quantity/Count and the Quantity Weight values as needed.

The screenshot displays the SAP Sales Order and Item Master Details windows. In the Sales Order window, the 'Contents' tab is active, showing a table with the following data:

#	Item No.	Quantity/Count	Unit Price	UoM Code	BMM CATCH...	Qty Weight	BMM...
1	CW003	4	\$ 240.00	Manual	Y	80.000	KG

In the Item Master Details window, the 'Inventory' tab is active, showing the following configuration for Item Number CW003:

- Catch Weight Item
- Weight UoM: KG
- Count UoM: Bag
- Nominal Weight: 20.000 KG/Bag
- Tolerance Group: TGP001
- Upper Weight Limit: 5.000
- Lower Weight Limit: 4.000
- TI-HI: 0.000
- Record catch weight for individual item in all transactions



5.3.5.2 Delivery Screen

Also, at the time of Sales Delivery screen you can mention the order quantity in count and quantity.

The screenshot shows the SAP Delivery screen with the following details:

- Customer:** 001 (RGP Trade & Co)
- No.:** Primary 5
- Status:** Open
- Posting Date:** 01/19/21
- Delivery Date:** 01/19/21
- Document Date:** 01/19/21

Item/Service Type	Item	Quantity\Count	Qty Weight	BMM UOM2	BMM CASED...
CW003		4	80	KG	

Financial Summary:

- Total Before Discount: \$ 960.00
- Discount: %
- Rounding: \$ 0.00
- Tax: \$ 0.00
- Total: \$ 960.00

Remarks: Based On Sales Orders 8.



For a non-containerized item, on the *Container Selection* screen, click the *Record Case weights* button. On the *Case Details* screen that opens specify the weight of each individual case you are delivering.

The screenshot shows two windows. The 'Container Selection - Issue' window has a table with columns: #, Lot No., Bin No., and Quantity/Weight. Row 1 contains Lot No. 8001 and Bin No. 01-SYSTEM-BIN-LOCATION with a quantity of 80.000. Below this is another table with columns: #, Container#, Available Count, Selected WT, and Selected Count. Row 1 shows Available Count 1,840.000, Selected WT 80.000, and Selected Count 4. A red box highlights the 'Record Case Weights' button at the bottom. The 'Case Details' window shows 'Selected: CW001', 'Selected Count: 4', and 'Weight: 80'. It contains a table with columns: #, Case #, and Weight. Row 2 is highlighted with a red box, showing Case # 2 and Weight 13.000.

The number of units delivered along with the weight dispatched in an individual case will be printed on the *Bill of Lading Report*.

The 'BILL OF LADING' report displays the following information:

- WMSLotstr
- Shipper No. _____
- Carrier No. _____
- Date 01/19
- Name Of Carrier _____
- To :
 - Consignee RGP Trade & Co
 - Address 679689, G, Veli DE, USA
 - Warehouse _____
- From :
 - Shipper WMSLotstr
 - Street _____
 - City / Zip/State _____
 - Warehouse _____

No Of Units & Container Type	HM	Basic Description	Total Quantity	Weight	Rate	Charges
4.00Pack		CW001	80.000KG	0	0	0

Item Code	WhsCode	Case No.	Quantity
CW001	01	1	25.00
CW001	01	2	13.00
CW001	01	3	12.00
CW001	01	4	30.00



For a Containerized Item, the *Selected WT* and *Selected Count* fields are displayed.

Container Selection - Issue

#	Lot No.	Bin No	Quantity/Weight
1	b001	01-SYSTEM-BIN-LOCATION	100.000
			0.000

#	Select	Container#	Available ...	Available C...	Selected WT	Selected Count
1	<input checked="" type="checkbox"/>	1	20.000	1	20.000	1
2	<input checked="" type="checkbox"/>	2	20.000	1	20.000	1
3	<input checked="" type="checkbox"/>	3	20.000	1	20.000	1
4	<input checked="" type="checkbox"/>	4	20.000	1	20.000	1
5	<input checked="" type="checkbox"/>	5	20.000	1	20.000	1
6	<input type="checkbox"/>	6	20.000	1	0.000	0
					100.000	

OK Cancel



5.3.6 Catch Weight support in Production transaction

Material Issue

On the Material issue screen you can view the number of Available counts and the counts required to issue.

Material Issue

Batch Number: BC001 Formula ID: MM_Shake
Batch Status: Released Revision No: 000000002
Batch Type: Mix Warehouse:
Process Cell: Runs No.: 1

#	Type	Item Code	Description	Whs Code	Qty Required	Available Qty	SO Commit...	Lot Stren...	Qty Issued	UOM	Qty R...
1	Material	Milk_01A	Milk_01A	01	2.000	6,983.602	0.000	80.000	0.000	KG	
2	Material	Sugar	Sugar	01	1.000	6,032.000	0.000	100.000	0.000	KG	
3	Material	Water	Water	01	2.400	4,529.998	0.000	100.000	0.000	LT	
4	Material	Mng_001	Mng_001	01	5.000	7,000.000	0.000	100.000	0.000	KG	

Select Lines to Issue Lot Qty Available to Issue: 2000

#	Vendor ...	Batch A...	Lot Status	Qty to Issue	Available Co...	Count to Issue	Available Qty	Lot S...	UOM	Qty to Issue ...	Stock...
2			ALL	0.000	0.000	0.000	400.000	100.000	KG	0.000	KG
3			ALL	0.000	0.000	0.000	5,000.000	100.000	KG	0.000	KG
4			ALL	0.000	1.000	0.000	10.000	100.000	KG	0.000	KG
5			ALL	0.000	1.000	0.000	10.000	100.000	KG	0.000	KG
6			ALL	5.000	1.000	1.000	10.000	100.000	KG	5.000	KG
7			ALL	0.000	1.000	0.000	10.000	100.000	KG	0.000	KG
				5.000	200.000	1.000	7,500.000				

Select All

Issue Cancel Save Auto Select



Assign Lot

Assign Lots

Batch Number: BC001 Formula ID: MM_Shake
Batch Status: Released Revision No: 000000002
Batch Type: Mix Warehouse:
Process Cell:
Runs No.: 1

#	Select	Item Code	Description	Whs Code	Qty to Receive	Qty Received	UOM	Lot Strength	Stock UOM
1	<input checked="" type="checkbox"/>	M_Shake	M_Shake	01	10.000	0.000	KG	100.000	KG

Lots Detail

#	Contai...	LPN No	Expiry Date	Bin No	Lot Status	Qty to Receive	UOM	Lot Strength	Stock UOM	Count
1	L212					10.000	KG	100.000	KG	1
2						0.000		0.000		

10.000

Update Cancel



Material Return

Return Material

Batch Number: BC001 Formula ID: MM_Shake
Batch Status: Issued Revision No: 000000002
Batch Type: Mix Warehouse:
Process Cell: Runs No.: 1

#	Item Code	Description	Whs Code	Qty to Return	Qty Returned	Qty Issued	UOM	Lot Strength	Qty to Return...	Qty Return...
1	Milk_01A	Milk_01A	01	1.000	0.000	1.600	KG	80.000	1.000	0.000

#	in No	Lot Status	Qty to Return	Issued Qty	Issued Qty S...	Count to Return	UOM	Lot Strength	Stock UOM	RefDocRet
1	01-SYS	ALL	1.000	1.600	1.600	1	KG	100.000	KG	0

Picking

Production Pick Entry

Pick No.: P-3 Remarks:
Pick Date: 01/18/21
Picker: manager Printed: No
Status: Released

Pick Detail

#	Item Code	Pick Wareho...	Quantity Req...	Quantit...	Pick U...	Drop Warehouse	Drop Bin	Li...
1	Milk_01A	01	2.000	2.000	KG	01		Relea
2	Sugar	01	1.000	1.000	KG	01		Relea
3	Water	01	2.000	2.000	LT	01		Relea
4	Mng_001	01	5.000	5.000	KG	01		Relea

Pick Lot Detail

#	Expiry Date	Container No	Available Count	Pick Warehouse	Pick Bin	Drop Warehouse	Drop Bin	Reason Code	Pick Count
1		9	1	01	01-SY	01	DB		1
2			0	01		01			0

Update Cancel Show Batch Detail Drop



5.3.7 Catch Weight Feature on different Transactional Reports

Implementing Catch Weight system will show the transaction details in the Count as well as Quantity.

Container/LPN Transaction Report

Container/LPN Transaction Report

Document No: 9
Document Type: Goods Receipt PO

#	Item Code	Item Description	Warehouse Code	Total Quantity
1	CW001	CW001	01	100.000

Bin, Lot, and Serial Detail

#	Lot Number	Bin Number	Lot Status	Count	Quantity	To L...
1	B001	01-SYSTEM-BIN-	ALL	100	2,000.000	

2,000.000

OK Cancel

View On Hand Information

View Onhand Information

Item Code: CW001 View Data In: KG
Description: CW001 Stock UOM: KG

Onhand information by warehouse

#	ItemCode	WhsCode	WhsName	In Stock	Committed	Allocated to Production	QC Hold	Expired	Available
1	CW001	01	General Warehouse	1,920.000	80.000		0.000	0.000	1,840.000
2	CW001	Hyd001	Hyd001		0.000	0.000	0.000	0.000	0.000

Lot Details

LotNo	TotalQty	Allocated to Production
B001	1,920.00	0.00

Lot/Bin detail for whse -01

#	LotNo	BinNo	ContainerNo	LPN#	Lot Status	Count	TotalQty	Locked	Committed	ExpDate
1	B001	01-SYSTEM-BIN-LOCATION	0		ALL	96	1,920.000	0		0.000

OK

Activate Windows



6 GLOSSARY

Glossary Term	Definition
Inventory	Inventory means stock which is the goods and materials that a business holds for the ultimate goals to have a purpose such as sales, purchase.
Available To Promise	<i>Available-to-Promise (ATP)</i> is an additional information about item availability for item, which means uncommitted stock and receipts available to satisfy potential customer orders.
Warehouse	A list of ingredients, their proportions, and instructions for making a product.
Raw Material	A substance in its natural or a semi-processed state that is used to manufacture a good.
Trade Secret	Business-related information such as technical know-how that gives a competitive advantage to a company.



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