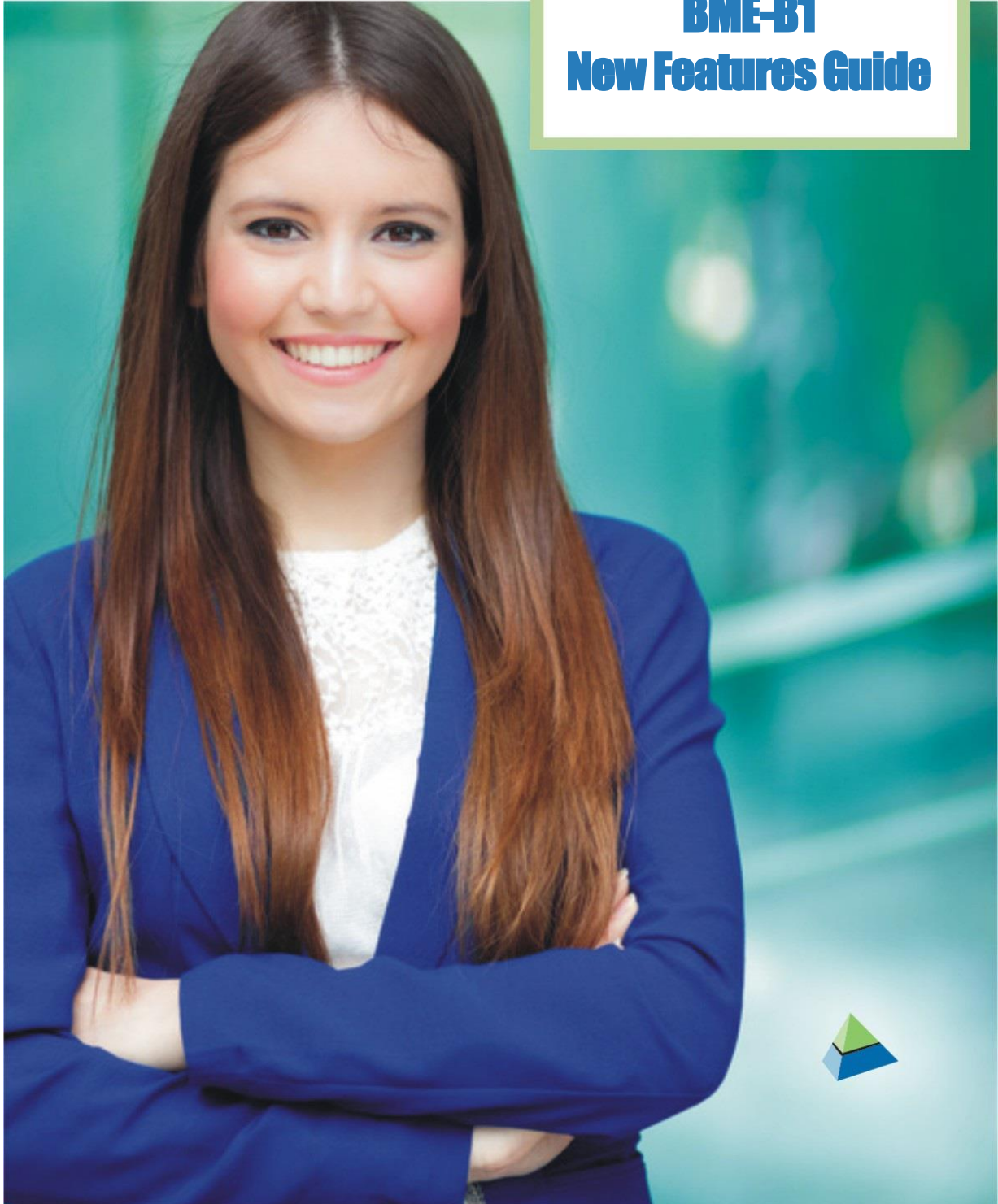


BATCHMASTER® ERP 18.2

BatchMaster ERP with SAP Business One
BatchMaster Solutions for
Process Manufacturers

BME-B1 **New Features Guide**



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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 |

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OVERVIEW

The main objective of this document is to make you familiar with the new features of BME-B1 18.2 release, along with their benefits.

1 WIP Report with Detailed Cost Analysis

Work-in-Progress (WIP) Report now provides a more insightful and comprehensive view for your production processes (for Issued and part closed production only). This enhanced WIP report focuses on detailing material and finished goods (FG) costs associated with each batch i.e., directly retrieved from JE effected in batch issue and part close. The enhanced WIP report provides following benefits:

- Enables managers to identify delays, bottlenecks, and inefficiencies.
- Provides a real-time view of material and consumable costs associated with WIP, ensuring accurate and updated cost tracking from the General Ledger (GL).
- Facilitates better monitoring of material and finished goods (FG) costs for each batch.
- Ensures accurate calculation and streamlined reconciliation of WIP accounts.
- Aids in prioritizing and scheduling production orders efficiently.
- Supports financial reporting by reflecting work-in-progress valuation.
- Compares planned production timelines against actual execution.
- Analyzes deviations in schedule or cost to identify underlying causes, allowing early detection of discrepancies for timely corrective actions.

WIP REPORT- Selection Criteria

WIP Account Range :

WIP Account From: -

WIP Account To: 22222222222222222222222222222222

BatchNo Range :

Batch No From: PROD0000433

Batch No To: PROD0000467

Formula ID Range:

Formula Id From: -

Formula Id To: 22222222222222222222222222222222

Date Range :

Schedule Start Date From: 01/01/01

Schedule Start Date To: 01/01/49

OK Cancel

The generated WIP report displays a list of batches associated with the specified WIP Account. The report will generate data based on the selected grouping, including the WIP Account. If multiple WIP accounts are filtered, the report will first display data for the first WIP Account, listing all its associated production batches. It will then provide the Total Material Cost and Total Finished Cost, followed by the WIP Cost, calculated batch-wise. Finally, the report will present a summary of the total WIP.

| WIP REPORT | | | | | | |
|--------------------------------|-----------|-------------|--------------------------|--------------------|-------------------|----------|
| QA_ERP | | | | | | |
| WIP ACCOUNT :- 111000000100101 | | | | | | |
| S.No | Batch No. | Start Date | Expected Completion Date | Total Material WIP | Total FG Received | WIP Cost |
| 1 | A0108 | 15-Jan-2025 | 15-Jan-2025 | 1.00 | 1.00 | 0.00 |
| 2 | A0110 | 15-Jan-2025 | 15-Jan-2025 | 0.00 | 242.40 | -242.40 |
| 3 | A0111 | 15-Jan-2025 | 15-Jan-2025 | 0.00 | 1.00 | -1.00 |
| 4 | A0405 | 10-Apr-2024 | 10-Apr-2024 | 1.00 | 1.00 | 0.00 |
| 5 | A0408 | 10-Apr-2024 | 10-Apr-2024 | 0.00 | 0.00 | 0.00 |

1.1 Understanding the WIP Report Details

Say, for instance, the Batch *A0108* shows a Total Material WIP cost of 1 \$ and Total FG Received cost of 1.00 \$, resulting in a WIP Cost of 0 \$. This demonstrates that the WIP balance was balanced out by the issue and receipt transactions.

The A0110 shows a Total Material WIP of 0 \$ and Total FG Received of 242.40 \$ resulting in a WIP Cost of -242.40 \$. This specifies that the cost of finished goods received exceeds the initial material cost that requires further investigation.

- **WIP Account:** Displays the WIP account based on the filter criteria selection.
- **S.No:** Serial number of the batch.
- **Batch No.:** Production Order Batch Number.
- **Start Date:** The date on which the batch was initiated.
- **Expected Completion Date:** The planned completion date for the batch.
- **Total Material WIP:** The cost of materials currently in progress for the batch. Its calculation includes the actual material costs reflected in the WIP account, along with the costs of any issued consumable and packing items that have increased the WIP balance. Additionally, it accounts for returned materials by subtracting their cost from the total material cost.
- **Total FG Received:** The cost of Finished Goods which are partially received and debited in WIP balance.
- **WIP Cost:** The actual Work In Progress (WIP) balance for uncompleted production, the system calculates the sum of material, consumable, and packing costs. From this total, system then subtract the cost of returned materials and the cost of finished goods. This calculation gives the WIP balance.

In the generated report you can analyze cost variances, view the WIP (Work-In-Progress) Cost. Positive values specify remaining material costs in WIP, while negative values specify adjustments or discrepancies. If you detect variances in the WIP Cost, you can investigate the corresponding batch details and its associated GL entries for root cause identification.

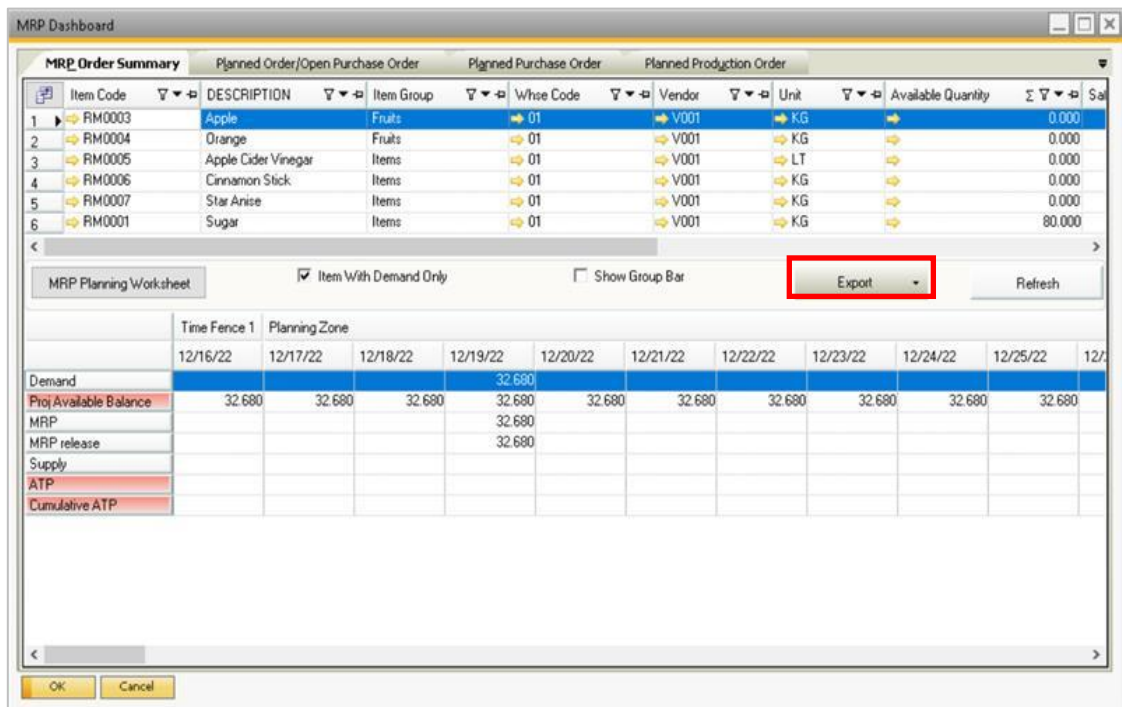
2 Exporting Filtered Data to Excel/PDF

BME B1 18.2 now provide export to Excel / PDF on the following screens:

- 1) MRP Dashboard
- 2) MPS Dashboard
- 3) BOM Explosion

2.1 MRP Dashboard

The *MRP Dashboard – Summary tab*, now provides the ability to export the upper grid dashboard data in Excel/PDF formats. By exporting the dashboard data, you can share and report for easy collaboration and analysis. Exporting dashboard data improves accessibility and usability of the generated data. By providing the ability to export data in common Excel/PDF formats, this feature streamlines reporting, facilitates analysis, and enhances collaboration.

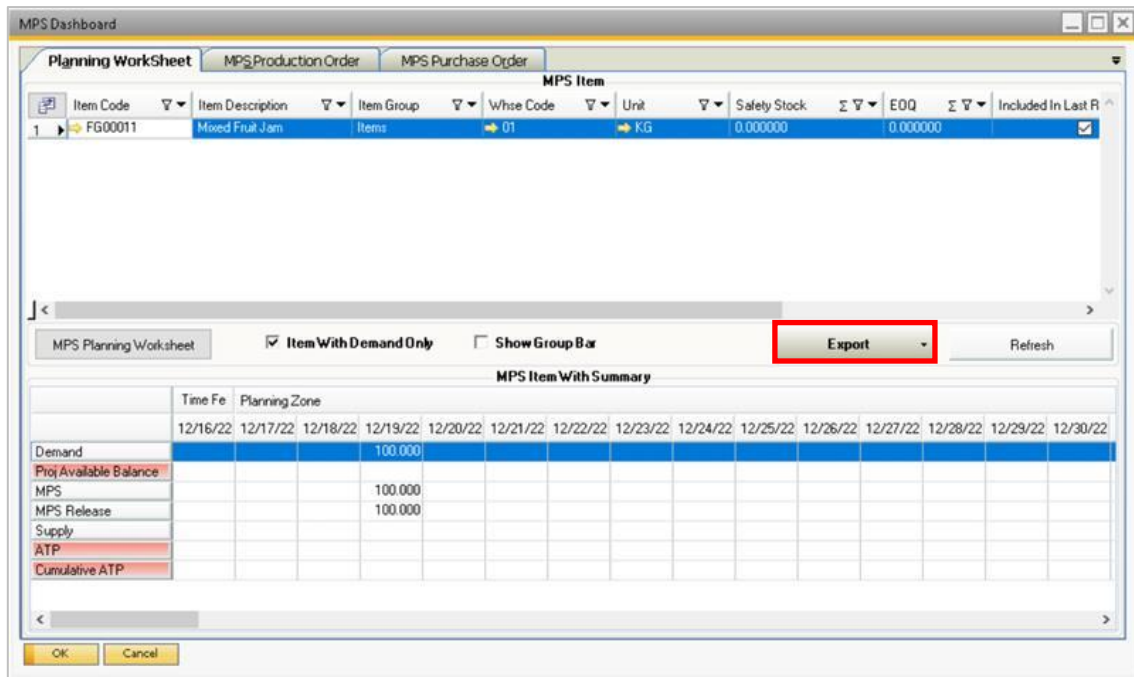


On clicking the above dropdown option, the system displays two dropdown options:

- Export to **Excel**: Use this option to export the displayed data in the upper grid directly into an Excel spreadsheet. The exported excel file can be shared, and available in an easily printable format.
- Export to **PDF**: Use this option to export the displayed data in the upper grid into a PDF document.

2.2 MPS Dashboard

The *MPS Dashboard – Summary tab*, now provides the ability to export the upper grid dashboard data in Excel/PDF formats. By exporting the dashboard data, you can share and report for easy collaboration and analysis. Exporting dashboard data improves accessibility and usability of the generated data. By providing the ability to export data in common Excel/PDF formats, this feature streamlines reporting, facilitates analysis, and enhances collaboration.



On clicking the above dropdown option, the system displays two dropdown options:

- Export to **Excel**: Use this option to export the displayed data in the upper grid directly into an Excel spreadsheet. The exported excel file can be shared, and available in an easily printable format.
- Export to **PDF**: Use this option to export the displayed data in the upper grid into a PDF document.

2.2.1 Using Excel and PDF Exports for MRP Data Distribution

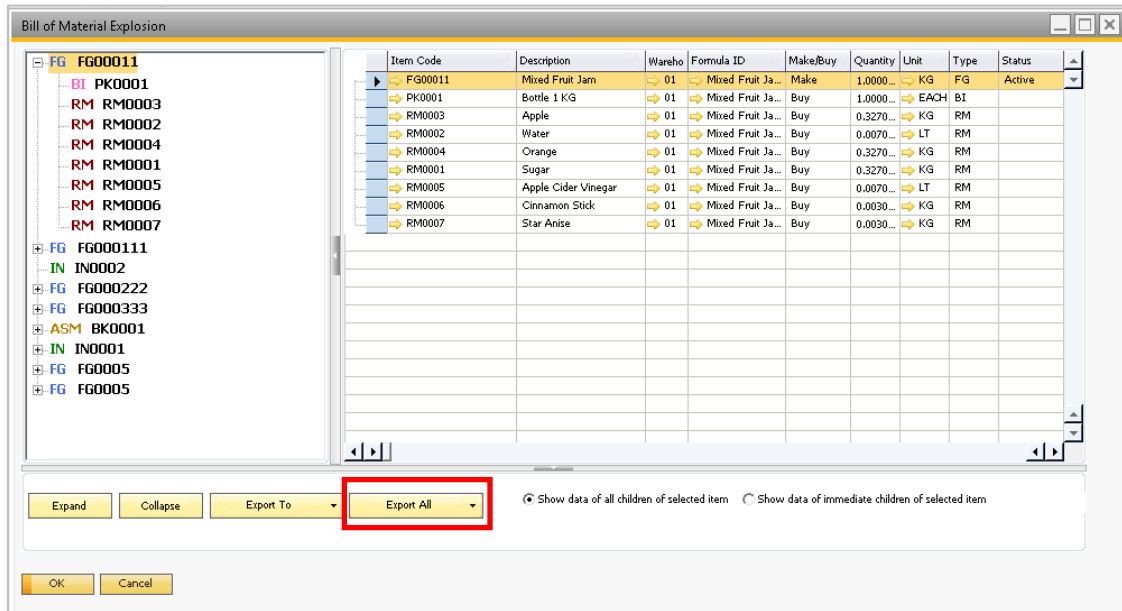
Say, for example, if you need to share the MRP planning data with your organization's production team. On the MRP Dashboard, you can:

- Configure the dashboard data to display the relevant planning information after RUN MRP with date range as 05-03-25 to 19-03-25).
- Click the *Export* button and select the option from the dropdown as *Export to Excel*.
- Save the exported Excel file and share it with your team for analysis or reporting purpose. If required, you can export the same data to PDF for record-keeping.

2.3 BOM Explosion

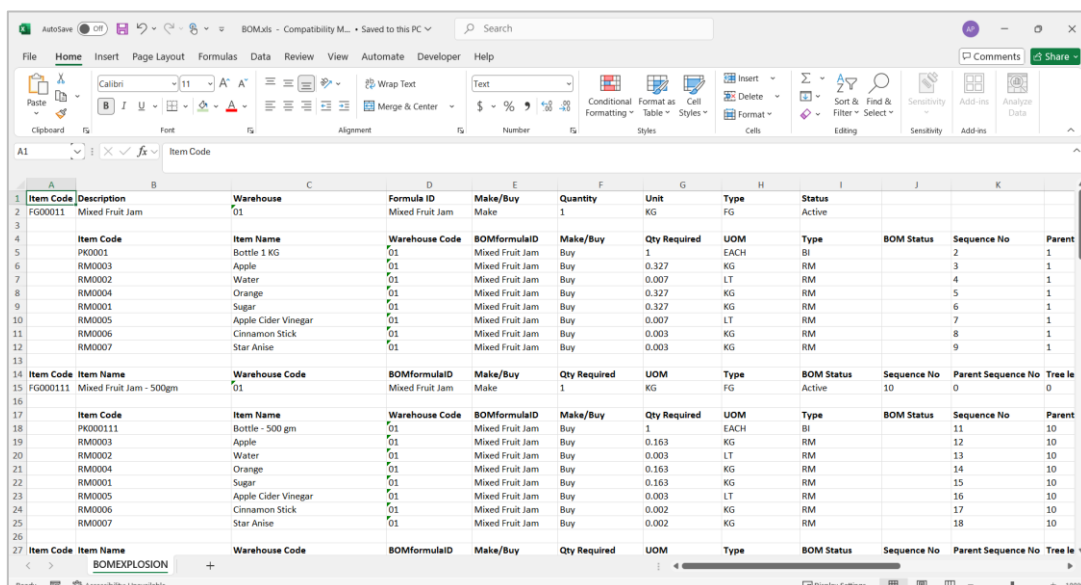
An enhancement in the **BOM Explosion** functionality, enable users to export data to Excel or PDF with all hierarchical levels.

Currently, the BOM Explosion utility only allows exporting selected data. To address this limitation, a new *Export All* button is introduced. This feature allows users to export all levels of exploded BOM data into an Excel sheet or PDF. When clicked, it will export the entire BOM structure based on the applied selection criteria. The exported data will be formatted for readability, allowing users to apply filters easily within Excel.



The existing *Excel Export* button will remain unchanged and continue to function as it currently does. The new *Export All* button will:

- Export all hierarchical levels of BOM data.
- Include all relevant columns in the export.
- Maintain the hierarchical structure as per the explosion results.



3 Enhanced Third-Party Service Charge Integration in Finished Goods

The new enhancements to the Third-Party functionality within the Bill of Material Entry screen focus on the integration of labor costs and their impact on finished goods (FG) costs. This feature ensures accurate tracking and management of third-party service charges, improving cost control and transparency.

Previously, in a Service Purchase Order (PO), labor cost was calculated and directly appended, meaning labor cost was always included in the Service PO. Now, when closing the production batch, the system automatically calculates third-party service costs based on the posted and updated Service GRPO. It then posts a journal entry (JE) for the service charge, updates the FG unit cost by incorporating the service cost, and clears the work-in-progress (WIP) account, ensuring all costs are transferred to the FG account.

The Special Prices for BP section enable users to map vendors with finished goods (FG), while the Period Discounts pop-up allows defining service charges for a specific date range. Additionally, the Volume Discount configuration lets users set quantity-based service charges using the Special Price field (SAP standard), ensuring a structured and scalable pricing approach. To further enhance flexibility, service charges can now be bifurcated based on both date range and volume range, allowing users to map contractors (vendors) with finished goods (BOM).

3.1 UI Changes in BOM Entry – Third Party Tab

The screenshot shows the SAP Bill of Material Entry (BOM) screen, specifically the Third Party tab. The Labor ID field is highlighted with a red box, showing 'L001' and a checkbox for 'Consider Special BP Price'. Other fields include Item (FG0005), Description (Ice Cream Sundae), Warehouse (01), Type (FinishedGood), Formula (F08), Fill Level (1.000), UOM (KG), and Status (Active). The Service Account Number is 34100000100101, and the PO Remarks are 'Third Party PO'. The Inventory Transfer Remarks are 'Inventory Transferred'. The BOM Cost is 0.00, and there are buttons for 'Calculate Cost', 'OK', 'Cancel', 'Refresh Prices', and 'Send For Approval'.

- **Labor ID:**

- The *Third-Party* tab in the *Bill of Material Entry* screen now includes a Labor ID field, linked to the *Labor/Additional Cost* master. Selecting a Labor ID via the lookup automatically populates the *Service Charge/Unit* (standard labor cost) and the *Service Account Number*.

| Labor/Additional Cost | |
|---------------------------|-----------------|
| Labor/Additional Cost ID | L001 |
| Description | Labor Cost |
| Cost Amount | 9.00 |
| Labor Cost Account Number | 141000000100101 |
| Variance Account Number | 141000000100101 |

OK Cancel

- The Labor ID you specify on the *Bill of Material Entry* screen gets added on *Batch Ticket* screen at the *Formula* tab. When a batch is created for an item with a third party BOM (configured Labor ID), a non-editable labor line is automatically added to *Batch Ticket* Screen. This ensures the labor cost is included in the final finished goods cost without manual adjustments.
- **Consider Special BP Pricing:**
 - If *Consider Special BP Price* checkbox is selected, the system applies special pricing based on volume or period for the contractor linked to the third-party warehouse and the associated finished goods.

3.2 Mapping of Service Charge in Special Prices for BP

3.2.1 Warehouse – Setup

On the Warehouse -Setup Screen, select “Yes” to the BMM Third Party Warehouse option and enter the contractor’s business partner code.

| Warehouses - Setup | |
|---|---------------------|
| Warehouse Code | 01-1 |
| Warehouse Name | Bhopal Warehouse |
| <input type="checkbox"/> Inactive Tax Code Location: BHOPAL <input type="checkbox"/> Drgp-Ship <input checked="" type="checkbox"/> Nettable <input type="checkbox"/> Allow Use Tax <input checked="" type="checkbox"/> Enable Bin Locations | |
| Street/PO Box | MP Nagar |
| Street No. | 45 |
| Block | Block H |
| Building/Floor/Room | DB Mall |
| Zip Code | 465987 |
| City | Bhopal |
| Country | India |
| Country | India |
| State | Madhya Pradesh |
| GLN | GLN989778 |
| Tax Office | TT Nagar |
| Address Name 2 | Kalsh D |
| Address Name 3 | Pushpa Nagar Bhopal |

OK Cancel

3.2.2 Special Prices for Business Partner

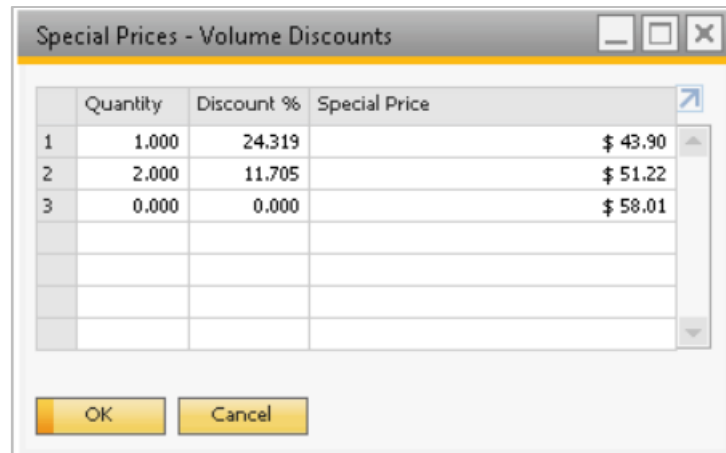
On Special Price for BP, map Contractor Code with Finished goods one by one.

3.2.3 Period Discounts

On double-clicking the FG Item on the Special Price For Business Partner screen, *displays the Period Discounts* window, where you can define service charges for a specific date range. Define the Valid From and Valid To dates along with the discount percentage or Price After Discount. Then click OK to save your changes.

3.2.4 Volume Discounts

On double-clicking the specific period on the *Period Discounts* window, displays the *Volume Discounts* window, where you can configure quantity-based discounts using slabs (e.g., 5% for 100 units, 10% for 500 units). Once set, save and apply the discounts, ensuring they are automatically reflected in transactions during the specified period.



3.3 Service Charge Configuration Scenarios

1. Period-Wise Service Charge Only

- If service charges are required based only on a date range, enter the details in the *Period Discount* screen.
- Define the applicable date range in the *Valid From* and *Valid To* fields.

2. Volume (Quantity)-Wise Service Charge Only

- To apply service charges based on quantity slabs, first, enter a single line in the *Period Discount* screen with a long validity period (e.g., Valid To: 31.12.2099).
- Double-click on the entry to open the *Volume Discount* screen.
- Define service charges based on quantity slabs.
- The system will always refer to the first period entry's linked Volume Discount Special Price.

3. Period-Wise & Volume-Wise Service Charge Both Required

- If both date-wise and quantity-wise service charges are needed, define the service charge in both the *Period Discount* and *Volume Discount* screens.
- Ensure that quantity slabs are correctly mapped to the respective period slabs.
- The system will apply the quantity-based service charge only within the selected period.
- Proper configuration of date and quantity slabs ensures accurate service charge calculations.

3.4 Recap – Mapping labor cost as service charge in third party

1. Bill of Material Entry: The process begins with defining what needs to be manufactured. The "Bill of Material Entry" screen for item "INT01" outlines the necessary raw materials and, importantly, specifies the third-party processing cost (**Labor Cost: 13.5 \$**) associated with purchase order "62100000100101." This cost is factored into the final BOM calculation for potential outsourcing.

The screenshot displays the 'Bill of Material Entry' window. The main form includes fields for Item (PA_INT), Description (INT01), Warehouse (03rd), Type (Intermediate), Formula (PA_F01), and Fill Level (0.000). The 'Third Party' tab is selected, showing a table with the following data:

| Labor Id | Service Charges/Unit | Service Account Number | PO Remarks | Inventory Transfer Remarks | Notes |
|----------|----------------------|------------------------|------------|----------------------------|-------|
| PA_L1 | 13.500 | 62100000100101 | S1 | S2 | S3 |

At the bottom of the window, there are 'OK' and 'Cancel' buttons, a 'BOM Cost' field set to 0.00, a 'Calculate Cost' button, and a 'View Complete BOM' button.

2. A production batch is created, as seen in the "Batch Ticket" screen for batch "BATCH0003" of item "PA_INT INT01." This stage details the **Standard Qty as 5 and Labor Hours as 5**, the planned labor ("PA_L1") and its estimated units and duration, and the intended warehouse ("03rd"). The batch is released and scheduled for material allocation and process completion around April 2025.

Batch Ticket

Batch Number: BATCH0003
 Type: Mix
 Status: Released
 Formula ID: PA_F01
 Revision: 0000000001
 Warehouse:
 Owner: pavitra

Production Whse: 03rd
 Demand Type: Independent
 Sales Order:
 Customer Key:
 Issue/Alloc/Return Date: 04/08/25
 Part Close / Close Date: 04/08/25
 Pick Status: ReadytoPick

Production Stages
 Deviations

| # | Select | FG Code | Description | Whse | Original Whse | Standard Quantity | Stock UOM | Unit | Toggle to UoM | Actual Qty. | Qty. Produced | Q. |
|---|-------------------------------------|---------|-------------|------|---------------|-------------------|-----------|------|---------------|-------------|---------------|----|
| 1 | <input checked="" type="checkbox"/> | PA_INT | INT01 | 03rd | | 5.000 | KG | KG | | 5.000 | 0.000 | |
| 2 | <input type="checkbox"/> | | | | | 0.000 | | | | 0.000 | 0.000 | |

| # | Item Code | Item Description | Whse | Original Whs | Labor Hours DD:HH:MM | Labor Units | Qty. Required | Stock UOM | Unit | Toggle to UoM | Overhea... |
|---|-----------|------------------|------|--------------|----------------------|-------------|---------------|-----------|------|---------------|------------|
| 1 | PA_L1 | PA_L1 | | | 00:05:00 | 300.000000 | 300.000 | | | | |
| 2 | | | | | | | 0.000 | | | | |

Batch Weight: 5.750 Order Weight: 5.000 Produced Weight: 0.000
 Batch Volume: 6.900 Order Volume: 6.000 Produced Volume: 0.000

OK Cancel

- From the context menu, choose the Third Party Document Report option. The system will list the generated Service Purchase Order and Inventory Transfer Request for the third-party service.

Third Party Document Report

| Batch No. | Vendor Name | PO No. | Inventory Transfer Req. No. |
|-----------|---------------|--------|-----------------------------|
| BATCH0003 | V001 V VENDOR | 1 | 1 |

OK

- Below is Service PO screen created automatically at Batch release, that procure the manufacturing services for item "INT01" from the chosen third-party vendor, "V VENDOR" (PO No. 1). This Service PO, dated 04/08/25 and currently open, specifies the total cost of the outsourced service (FG Standard Qty * Labor Cost => 5*13.5= 67.5)

Purchase Order

Vendor: V001
 Name: V VENDOR
 Contact Person: [dropdown]
 Vendor Ref. No.: [text]
 Local Currency: [dropdown]
 Item Vendor: [button]

No. Primary: 1 - 0
 Status: Open
 Posting Date: 04/08/25
 Delivery Date: 04/08/25
 Document Date: 04/08/25

| Contents | | Logistics | | Accounting | | Attachments | |
|-------------------|-------------|--------------|------|---------------------|----------|-------------|-----------|
| Item/Service Type | Service | Summary Type | | No Summary | | | |
| # | Description | G/L Account | D... | G/L Account Name | Tax C... | Total (LC) | Blan... B |
| 1 | INT01 | 62100000-01- | | Bad Debts (HO. USA, | | \$ 67.50 | |
| 2 | | | | | | | |

Buyer: -No Sales Employee-
 Owner: [text]
 Remarks: S1

Total Before Discount: \$ 67.50
 Discount: [text] %
 Rounding
 Tax: [text]
 Total Payment Due: \$ 67.50

OK Add Draft & New Cancel Copy From Copy To

5. Receive the Outsourced Service (Goods Receipt PO): As the third-party completes their work, "Goods Receipt PO" screens (PO Nos. 4 posted on 04/08/25) confirm the receipt of 3 quantities (**First partial GRPO for 3 FG qty received 3 * 13.5 = 40.50 \$**), manufacturing services from "V VENDOR" for item "INT01." These documents record the cost of the received services.

Goods Receipt PO

Vendor: V001
 Name: V VENDOR
 Contact Person:
 Vendor Ref. No.:
 Local Currency:
 No.: Primary 4
 Status: Open
 Posting Date: 04/08/25
 Due Date: 04/08/25
 Document Date: 04/08/25

Contents | Logistics | Accounting | Attachments

| Item/Service Type | Service | Summary Type | No Summary | | |
|-------------------|--------------|--------------|---------------------|----------|------------|
| # Description | G/L Account | Distr. Rule | G/L Account Name | Tax C... | Total (LC) |
| 1 INT01 | 62100000-01- | | Bad Debts (HO, USA, | | \$ 40.50 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

- 6. Update Planned Labor in Batch (Updated Batch Ticket): The "Batch Ticket" for batch "BATCH0003" is updated to reflect the planned labor of "PA_L1" requiring **180 labor units** over an estimated **3 hours**. This refined labor plan contributes to the batch weight and order weight calculations, with the batch remaining released and scheduled for material allocation and process completion around April 2025.

Batch Ticket

Batch Number: BATCH0003
 Type: Mix
 Status: Released On Hold
 Formula ID: PA_F01
 Revision: 0000000001
 Warehouse:
 Owner: pavitra

Production Whse: 03rd
 Demand Type: Independent
 Sales Order:
 Customer Key:
 Issue/Alloc/Return Date: 04/08/25
 Part Close / Close Date: 04/08/25
 Pick Status: ReadytoPick

Production Stages
 Deviations

| # | Select | FG Code | Description | Whse | Original Whse | Standard Quantity | Stock UOM | Unit | Toggle to UoM | Actual Qty. | Qty. Produced | Q. |
|---|-------------------------------------|---------|-------------|------|---------------|-------------------|-----------|------|---------------|-------------|---------------|----|
| 1 | <input checked="" type="checkbox"/> | PA_INT | INT01 | 03rd | | 5.000 | KG | KG | | 3.000 | 0.000 | |
| 2 | <input type="checkbox"/> | | | | | 0.000 | | | | 0.000 | 0.000 | |

| # | Select | LineType | FG Code | Item Code | Item Description | Whse | Original Whse | Labor Hours DD:HH:MM | Labor Units | Qty. Required | Stock UOM | t |
|---|--------------------------|----------|---------|-----------|------------------|------|---------------|----------------------|-------------|---------------|-----------|---|
| 1 | <input type="checkbox"/> | Labor | PA_INT | PA_L1 | PA_L1 | | | 00:03:00 | 180.000000 | 300.000 | | |
| 2 | <input type="checkbox"/> | BOMItem | | | | | | | | 0.000 | | |

Batch Weight: 5.750 Order Weight: 5.000 Produced Weight: 0.000
 Batch Volume: 6.900 Order Volume: 6.000 Produced Volume: 0.000

OK Cancel

- Receive the remaining Outsourced Service (Goods Receipt PO): Goods Receipt PO screen (PO Nos. 5 posted on 04/08/25) confirm the receipt of 2 quantities (**Second partial GRPO for 2 FG qty received 2 * 13.5 = 27 \$**), manufacturing services from "V VENDOR" for item "INT01." These documents record the cost of the received services.

Goods Receipt PO

Vendor: V001
 Name: V VENDOR
 Contact Person: [Empty]
 Vendor Ref. No.: [Empty]
 Local Currency: [Empty]

No. Primary: 5
 Status: Open
 Posting Date: 04/08/25
 Due Date: 04/08/25
 Document Date: 04/08/25

Contents | Logistics | Accounting | Attachments

| Item/Service Type | Service | Summary Type | No Summary |
|-------------------|--------------|--------------|---------------------|
| # Description | G/L Account | Distr. Rule | G/L Account Name |
| 1 INT01 | 62100000-01- | | Bad Debts (HO, USA, |
| | | | Tax C... |
| | | | Total (LC) |
| | | | \$ 27.00 |

- Update Planned Labor in Batch (Updated Batch Ticket): The "Batch Ticket" for batch "BATCH0003" is updated to reflect the planned labor of "PA_L1" requiring **300 labor units** over an estimated **5 hours**.

Batch Ticket

Batch Number: BATCH0003
 Type: Mix
 Status: Released
 Formula ID: PA_F01
 Revision: 000000001
 Warehouse: [Empty]
 Owner: pavitra

Production Whse: 03rd
 Demand Type: Independent
 Sales Order: [Empty]
 Customer Key: [Empty]
 Issue/Alloc/Return Date: 04/08/25
 Part Close / Close Date: 04/08/25
 Pick Status: ReadytoPick

General | Formula | Finished Goods | By Products | Consumables | Cost | Attachments

| # | Select | FG Code | Description | Whse | Original Whse | Standard Quantity | Stock UoM | Unit | Toggle to UoM | Actual Qty. | Qty. Produced | Q. |
|---|-------------------------------------|---------|-------------|------|---------------|-------------------|-----------|------|---------------|-------------|---------------|----|
| 1 | <input checked="" type="checkbox"/> | PA_INT | INT01 | 03rd | | 5.000 | KG | KG | | 2.000 | 0.000 | |
| 2 | <input type="checkbox"/> | | | | | 0.000 | | | | 0.000 | 0.000 | |

| # | Select | LineType | FG Code | Item Code | Item Description | Whse | Original Whse | Labor Hours DD:HH:MM | Labor Units | Qty. Required | Stock UoM | U |
|---|--------------------------|----------|---------|-----------|------------------|------|---------------|----------------------|-------------|---------------|-----------|---|
| 1 | <input type="checkbox"/> | Labor | PA_INT | PA_L1 | PA_L1 | | | 00:05:00 | 300.000000 | 300.000 | | |
| 2 | <input type="checkbox"/> | BOMItem | | | | | | | | 0.000 | | |

Batch Weight: 5.750 Order Weight: 5.000 Produced Weight: 0.000
 Batch Volume: 6.900 Order Volume: 6.000 Produced Volume: 0.000

OK Cancel

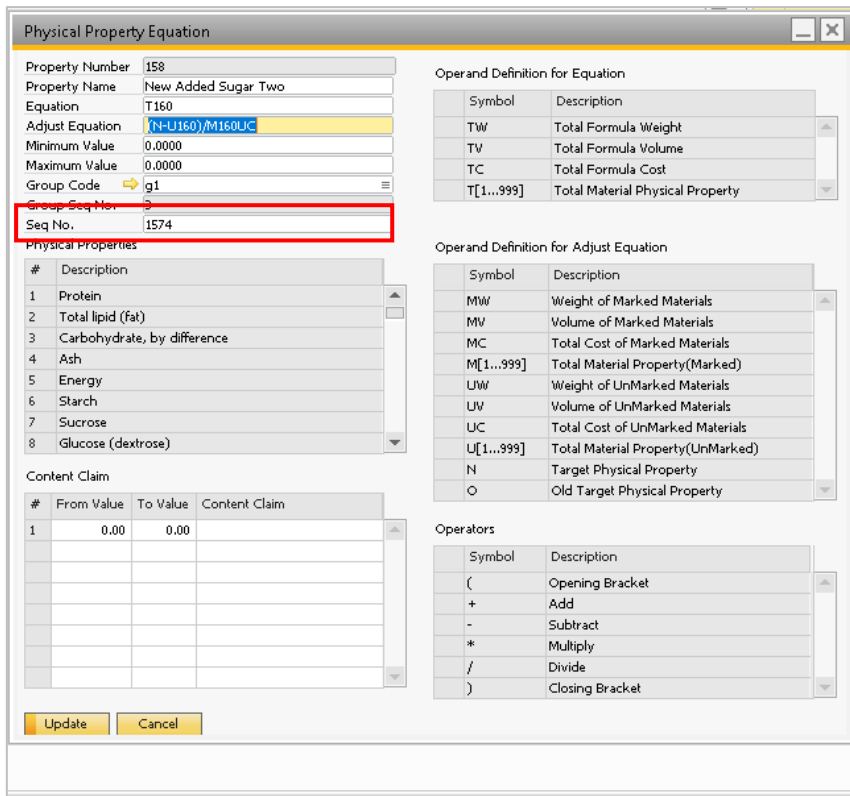
- Finally full close the production batch. From the context menu, open the Production Goods Transaction Report for batch. The report will list down **labor line with 67.5 \$** for service charge which will show effect in **finished goods received with 2 & 3 qty at part close**.

| Batch No | Transaction T... | Doc No | Item Code | Whs Code | Journal Entry | DbtCrdt | Account | Line Type | Lot No | Bin No | Lot Status | Qty In Displa... | Display UOM | Unit Price | Amount | |
|-----------------|------------------|--------|-----------|----------|------------------------|---------|--------------|-----------------------|--------------|--------|-------------|------------------|-------------|------------|--------|-------|
| BATCH000 | | | | | | | | | | | | | | | | |
| ▼ Issue | | | | | | | | | | | | | | | | |
| | 10 | | PA_BATCH | 03rd | | | 111000000100 | MATERIAL | PA_BATCH_3RD | | 03RD-SYSTEM | ALL | 1.000 | KG | 10.58 | 10.58 |
| ▼ Journal Entry | | | | | | | | | | | | | | | | |
| | 36 | | | | Line Labor-BATC DEBIT | | 111000000100 | | | | | 0.000 | | 67.50 | 67.50 | |
| | 36 | | | | Line Labor-BATC CREDIT | | 621000000100 | | | | | 0.000 | | 67.50 | 67.50 | |
| ▼ Receipt | | | | | | | | | | | | | | | | |
| | 12 | | PA_INT | 03rd | | | 111000000100 | FINISHEDGOOD PA_INT02 | | | 03RD-SYSTEM | ALL | 2.000 | KG | 15.62 | 78.08 |
| | 12 | | PA_INT | 03rd | | | 111000000100 | FINISHEDGOOD PA_INT05 | | | 03RD-SYSTEM | ALL | 3.000 | KG | 15.62 | 78.08 |
| | | | | | | | | FINISHEDGOOD | | | | | | | | |

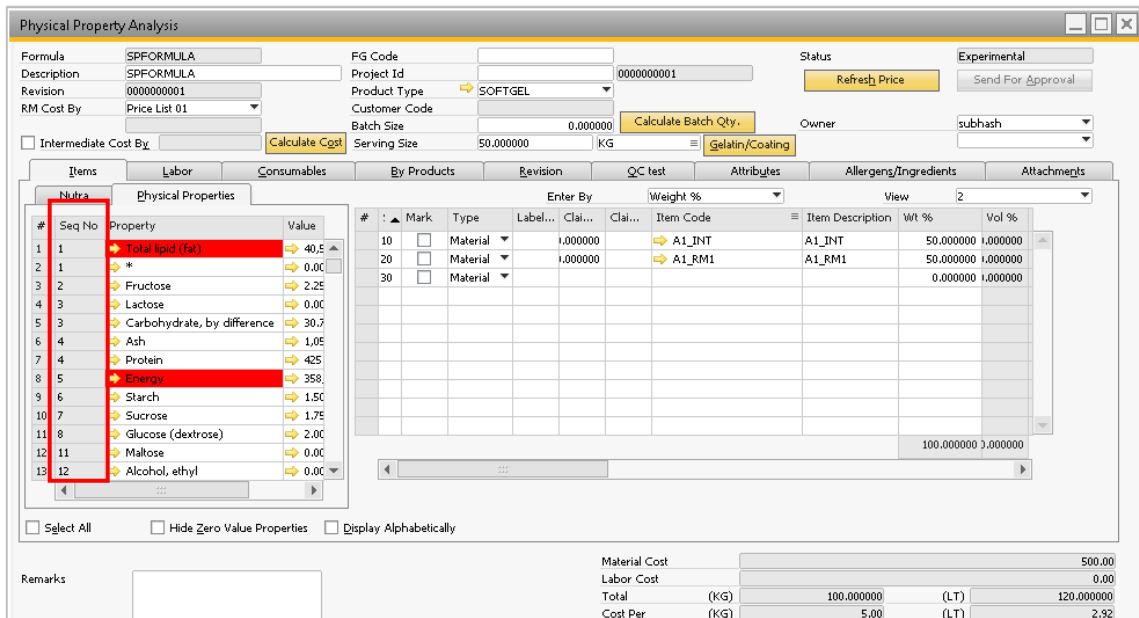
4 Re-sequencing Properties at the Physical Property Analysis Screen

A new *Seq No.* (Sequence Number) field, added to the *Physical Property Equation* and *Physical Property Analysis* screens.

The *Physical Property Equation* screen allows you to maintain a default sequence of properties, ensuring they appear in the same order on the *Physical Property Analysis* screen. This enhancement introduces the *Seq. No.* field, which defines the display order of physical properties for better flexibility and organization. The *Seq. No.* is considered globally by the system, ensuring consistency across Physical Property Analysis Screen. This feature provides an intuitive and customized experience, allowing users to efficiently manage and analyze physical properties.



On the *Physical Property Equation* screen, when a new physical property record is added, the system automatically generates a number in the *Property Number* read-only field. The *Seq. No* field defaults with the value by multiplying the system generated *Property Number* by 10. This system calculated and defaulted value in the *Seq. No* field is editable.



4.1 Example

Say for example, if you save a property value on *Physical Property Equation* screen with a *Property Number* 10, the *Seq. No* field defaults with the 10 x 10 value i.e., 100. The *Physical Property Analysis* screen obtain this 100-sequence value for displaying that property in the left grid.

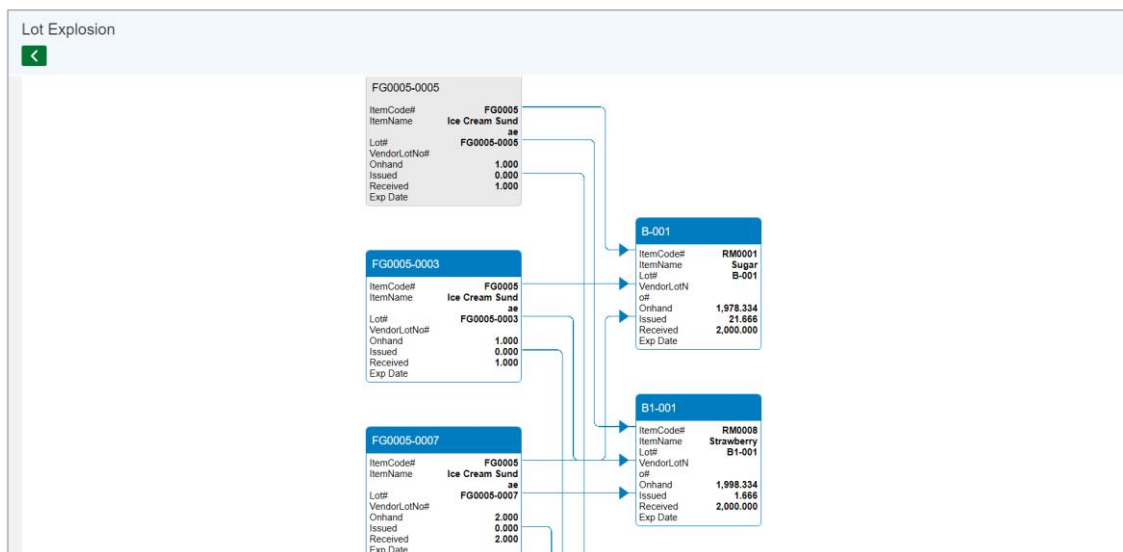
- The *Seq No* field on the *Physical Property Analysis* screen is non-editable and you can only view the sequence of the properties on the *Physical Property Analysis* screen.
- You can change the sequence number of any physical property record on the *Physical Property Equation* screen.
- The system prioritizes the *Group Code* when determining the sequence. If a group code is specified, the sequencing is applicable within that group.
- If a *Group Code* is assigned to the properties, the sequencing of properties at the *Physical Property Analysis* screen displays firstly the properties with Group Code assigned, followed by properties with no group code assigned.
- If you mark the *Display Alphabetically* checkbox, the *Seq No* field will be disregarded, and the property records are arranged in alphabetical order. However, if you unmark the *Display Alphabetically* checkbox, the property records automatically revert to the order defined by the *Seq No* field.
- If you mark the *Hide Zero Value Properties* checkbox, the property records display according to the *Seq No* field, but all those properties that are having zero values are hidden.
- On the *Physical Property Equation* screen, the *Seq No* field only accept positive integers. If you enter a negative value, the system displays a warning message.
- With the *Seq No* field on the *Physical Property Analysis* screen the Supplement Fact Sheet and Nutritional Label remains unaffected.
- If the sequence number of properties is updated in the *Physical Property Equation* screen, the system displays a message as “*The updated Sequence Number will be reflected in all formulas where this property is used.*”

5 Enhanced Web Lot Traceability and Explosion

The Web Lot Traceability and Explosion are now enhanced to provide more inclusive information with improved usability. The enhancements stated below focus on refining the Lot Explosion display, adding data export capabilities, and enhancing the detail view of web lot traceability for better information analysis.

The enhanced web lot traceability and explosion provide the following advantages:

- **Enhanced Accuracy:** Removal of warehouse and bin transfer tracing ensures accurate quantity representation by removing the discrepancy occurred from warehouse transfers.
- **Improved Data Visibility:** The display of *Issued* and *Received* item's lot quantities provides accurate data of the lot movement.
- **Efficient Data Analysis:** Export to Excel capability helps you to easily perform data analysis and data reporting.
- **Enhanced Usability:** Highlighting parent-child relationship records and added *Remarks* field enables insight view of the selected transaction to enhance the clarity regarding the lot details.



5.1 Enhanced Lot Explosion Display

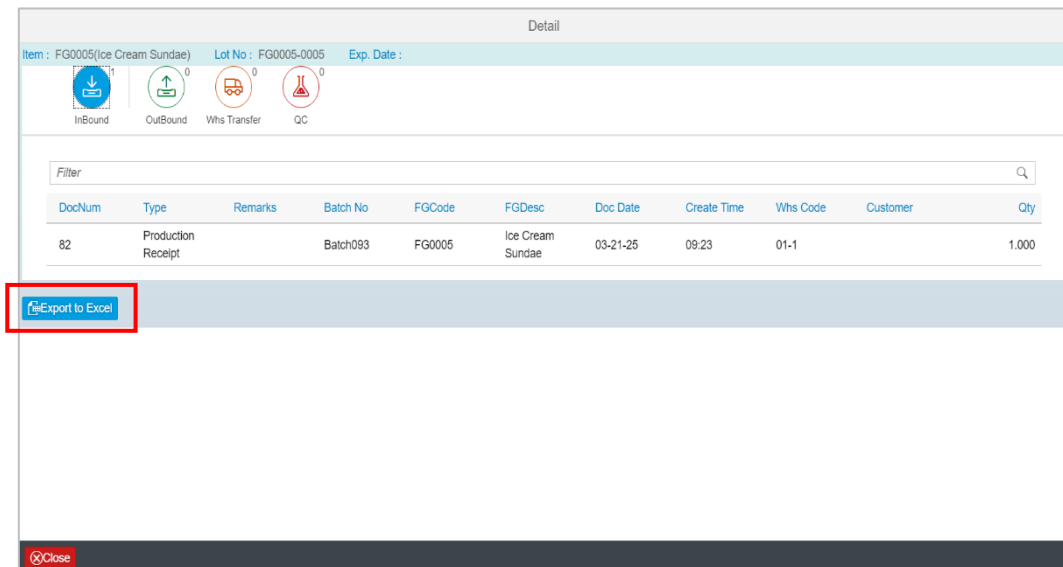
- **Issue and Received Fields:** The Lot Explosion now displays *Issued* and *Received* lot quantities with the *Onhand* values. By adding these fields on the lot traceability widget provide an informative view of lot movement.

| B1-001 | |
|--------------|------------|
| ItemCode# | RM0008 |
| ItemName | Strawberry |
| Lot# | B1-001 |
| VendorLotNo# | |
| Onhand | 1,998.334 |
| Issued | 1.666 |
| Received | 2,000.000 |
| Exp Date | |

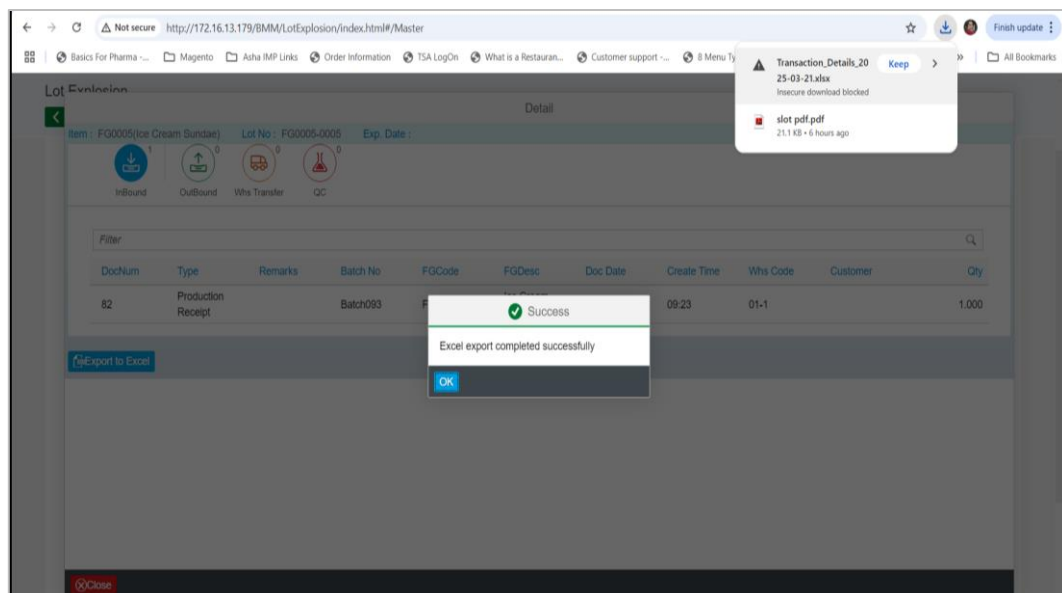
- **Removal of Bin and Warehouse Transfer:** To eliminate the discrepancies for the issued and received item's lot quantities caused by warehouse transfers, the tracing of bin and warehouse transfers is now removed. This ensures accurate quantity representation.

5.2 Improved Data Export Capabilities

- **Show Grid Export to Excel:** A new *Export to Excel* button is added below the grid for exporting lot information in an Excel Sheet for further analysis.



- On clicking *Export to Excel* button the displayed data gets exported in an excel sheet.



- The exported excel sheet contain various *Expand (+)* and *Collapse (-)* options to view the lot details.

| Lot# | ItemCode | ItemName | VendorLotNo# | Onhand | Issued | Received | Exp Date |
|------|------------|----------|---------------------|------------|-----------|----------|------------------------|
| L1 | ASM1 | ASM1 | L1VendorLot | 15 | | | 15 9999-12-31T00:00:00 |
| 3 | BT22_6_OLD | ASM2 | BT22_6_OLDVendorLot | 0 | 1000 | 1000 | 2022-12-13T00:00:00 |
| 4 | BT22_9 | ASM4 | | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 5 | BT22_7 | B15 | | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 6 | BT22_8 | FG1 | | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 7 | L2 | ASM1 | ASM1 | 10 | | | 10 9999-12-31T00:00:00 |
| 8 | BT22_6_OLD | ASM2 | BT22_6_OLDVendorLot | 0 | 1000 | 1000 | 2022-12-13T00:00:00 |
| 9 | BT22_9 | ASM4 | BT22_9VendorLot | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 10 | BT22_7 | B15 | | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 11 | BT22_8 | FG1 | | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 12 | L3 | ASM1 | ASM1 | 15 | | | 15 9999-12-31T00:00:00 |
| 13 | BT22_6_OLD | ASM2 | BT22_6_OLDVendorLot | 0 | 1000 | 1000 | 2022-12-13T00:00:00 |
| 14 | BT22_9 | ASM4 | BT22_9VendorLot | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 15 | BT22_7 | B15 | | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |
| 16 | BT22_8 | FG1 | | 947 369048 | 52 630952 | 1000 | 9999-12-31T00:00:00 |

- The exported excel sheet contain various tabs. An example of the exported data in Excel format that includes various tabs.

| Item Code | Item Name | Vendor Lot No | Onhand | Issued | Received | Exp Date |
|-----------|---------------|----------------------|--------|--------|----------|------------|
| 148 | Peanut Butter | FG0005-2022-05-11-00 | 01 | | | 01-05-2022 |
| 171 | Peanut Butter | FG0005-2022-05-11-00 | 01 | | | 01-05-2022 |
| 176 | Peanut Butter | FG0005-2022-05-11-00 | 01 | | | 01-05-2022 |
| 179 | Peanut Butter | FG0005-2022-05-11-00 | 01 | | | 01-05-2022 |
| 172 | Peanut Butter | FG0005-2022-05-11-00 | 01 | | | 01-05-2022 |

- **Collapse and Expand Grid:** The *Show Grid* view now includes the *Collapse all* and *Expand All* buttons for collapsing and expanding the displayed record details.

Lot Explosion

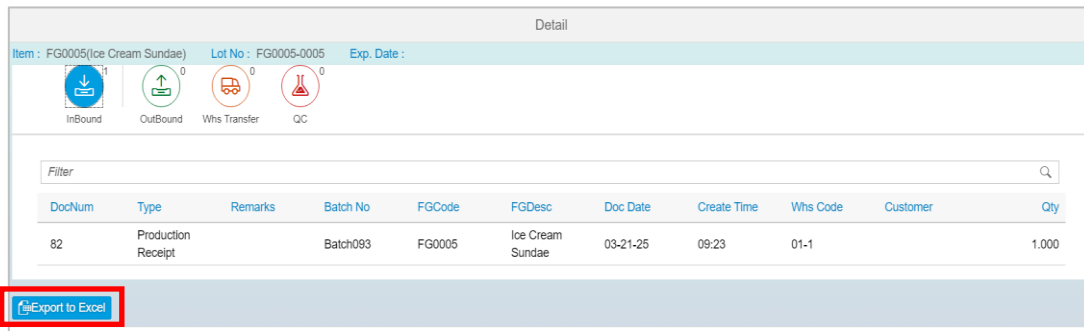
Single Level Show Grid Show Graph

Filter

↑ Collapse all ↓ Expand all Export to Excel

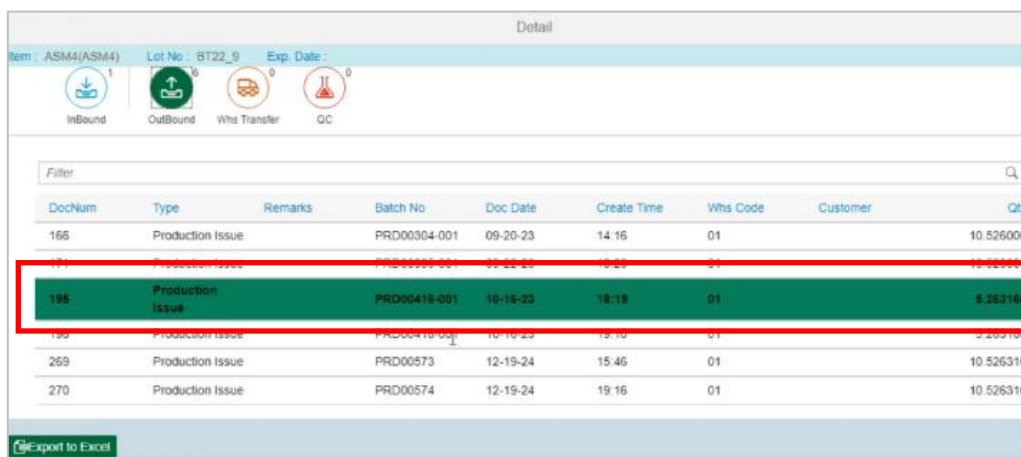
| Lot# | ItemCode | ItemName | VendorLotNo# | Onhand | Issued | Received | Exp Date | Action |
|-------------|----------|------------------|--------------|-----------|--------|-----------|----------|--------|
| FG0005-0003 | FG0005 | Ice Cream Sundae | | 1.000 | 0.000 | | 1.000 | |
| B-001 | RM0001 | Sugar | | 1,978.334 | 21.666 | 2,000.000 | | |
| B1-001 | RM0008 | Strawberry | | 1,998.334 | 1.666 | 2,000.000 | | |
| Lot-001 | RM0009 | Ice Cream Base | | 498.334 | 1.666 | 500.000 | | |
| FG0005-0005 | FG0005 | Ice Cream Sundae | | 1.000 | 0.000 | | 1.000 | |
| B-001 | RM0001 | Sugar | | 1,978.334 | 21.666 | 2,000.000 | | |
| B1-001 | RM0008 | Strawberry | | 1,998.334 | 1.666 | 2,000.000 | | |
| Lot-001 | RM0009 | Ice Cream Base | | 498.334 | 1.666 | 500.000 | | |
| FG0005-0007 | FG0005 | Ice Cream Sundae | | 2.000 | 0.000 | | 2.000 | |
| B-001 | RM0001 | Sugar | | 1,978.334 | 21.666 | 2,000.000 | | |
| B1-001 | RM0008 | Strawberry | | 1,998.334 | 1.666 | 2,000.000 | | |
| Lot-001 | RM0009 | Ice Cream Base | | 498.334 | 1.666 | 500.000 | | |
| Lot-001 | FG0005 | Ice Cream Sundae | | 500.000 | 0.000 | | 500.000 | |

- **Details Window Export to Excel:** A new *Export to Excel* button is now added to the *Details* window, providing a convenient way to export the respective transaction details.



5.3 Enhanced Lot Details View

- **Highlighted Parent-Child Relationships:** When an intermediate lot is used in multiple Finished Goods (FGs), resulting in a large number of outbound lines, the parent-child relationship records are highlighted with a green color record. This makes it easier to understand the flow of materials to be more informative.



- The *Remarks* field is now added to the *Details* window for providing additional context and information about each transaction.

Detail

Item : ASM4(ASM4) Lot No : BT22_9 Exp. Date :

InBound 1 OutBound 16 Whs Transfer 0 QC 0

Filter

| DocNum | Type | Remarks | Batch No | Doc Date | Create Time | Whs Code | Customer | Qty |
|--------|------------------|---------|--------------|----------|-------------|----------|----------|-----------|
| 165 | Production Issue | | PRD00304-001 | 09-20-23 | 14:16 | 01 | | 10.526000 |
| 171 | Production Issue | | PRD00305-001 | 09-22-23 | 18:20 | 01 | | 10.526000 |
| 195 | Production Issue | | PRD00418-001 | 10-16-23 | 18:18 | 01 | | 5.263160 |
| 195 | Production Issue | | PRD00418-001 | 10-16-23 | 19:10 | 01 | | 5.263160 |
| 269 | Production Issue | | PRD00573 | 12-19-24 | 15:46 | 01 | | 10.526316 |
| 270 | Production Issue | | PRD00574 | 12-19-24 | 19:16 | 01 | | 10.526316 |

Export to Excel

- You can select specific transaction within the *Details* window for further review or analysis.

Detail

Item : ASM4(ASM4) Lot No : BT22_9 Exp. Date :

InBound 1 OutBound 16 Whs Transfer 0 QC 0

Filter

| DocNum | Type | Remarks | Batch No | Doc Date | Create Time | Whs Code | Customer | Qty |
|--------|------------------|---------|--------------|----------|-------------|----------|----------|-----------|
| 165 | Production Issue | | PRD00304-001 | 09-20-23 | 14:16 | 01 | | 10.526000 |
| 171 | Production Issue | | PRD00305-001 | 09-22-23 | 18:20 | 01 | | 10.526000 |
| 195 | Production Issue | | PRD00418-001 | 10-16-23 | 18:18 | 01 | | 5.263160 |
| 195 | Production Issue | | PRD00418-001 | 10-16-23 | 19:10 | 01 | | 5.263160 |
| 269 | Production Issue | | PRD00573 | 12-19-24 | 15:46 | 01 | | 10.526316 |
| 270 | Production Issue | | PRD00574 | 12-19-24 | 19:16 | 01 | | 10.526316 |

Export to Excel

6 Enhanced License Administration with Assignment Tab and Maximize Functionality

The *BatchMaster ERP License Administration* screen in BME-B1 is now enhanced to improve usability and streamline license management.

- Improved License Visibility:** Tabular view of license allocations, making it convenient to track each user access across the various BatchMaster ERP components.
- Efficient License Management:** Simplified process of managing and reviewing user license assignments to ensure better control over the license distributions.
- Enhanced Usability:** Maximize the window for better visibility, when handling a large number of users and components.
- Assignment Tab:** A new *Assignment* tab is now included on the *BatchMaster ERP License Administration* screen to view the allotted licenses for various BatchMaster ERP

components. On this tab, Y value indicates the allocation of license for the specific component as displayed in columns, and the total license count for each component is displayed at the bottom. This enhances visibility and control over license distribution.

| S.No | Users | Bakery Vertical | BatchMaster E... | BIN Mgmt. | Limited User ... | Limited User ... | Limited User ... | |
|------|--------------------|-----------------|------------------|-----------|------------------|------------------|------------------|---|
| 1 | manager | ✓ | ✓ | | | | | |
| 2 | User1 | | ✓ | | | | | |
| | Total Assigned | 1 | 2 | | | | | 2 |
| | Total Free License | 9 | 8 | | | | | 8 |

- **Maximize Button:** A new *Maximize* button is now included on the *BatchMaster ERP License Administration* screen to expand the screen for detailed view of license allocations.

7 Enhanced feature of Item Specific Back Flush Raw materials

BatchMaster ERP now supports item-specific backflushing of raw materials that provides greater control and flexibility in managing the efficient consumption of finished goods for production.

This enhancement offers improved efficiency for managing inventory by allowing you to define backflushing settings at the individual item level. Item-level backflushing ensures that the raw materials and consumables are automatically issued for specific items based on business specific production needs, which eliminates the manual adjustments and reducing the wastage of materials. Note that the *Process Batches in Range* screen exclusively uses the global backflushing settings from the *Production Defaults* screen, ignoring item-specific settings.

- **Improved Flexibility:** Unlike global backflushing, which applies an identical setting across all items, the item-specific backflushing helps you for customization based on the distinctive material consumption patterns for different products.
- **Precise Allocation of Material:** Item-specific backflushing safeguards that individual material is issued accurately by preventing shortages and overuse. Item-specific backflush settings help in the prevention of waste by aligning usage with actual production needs.

- **Item Level Cost Control:** When material consumption is recorded at the item level, your business can track production costs more specifically, which leads to better financial planning and cost savings.

7.1 Enabling Item-Level Backflush Settings

a. Full Batch Backflush Checkbox:

When the "Full Batch Backflush" checkbox is selected, the system will follow the existing functionality where all required raw materials are automatically backflushed at the time of production completion.

b. Item-wise Backflush Checkbox:

When the "Item Wise Backflush" checkbox is selected, the system will enable item-specific backflush functionality as per the predefined settings configured in the Item Master Details.

c. Size Amount of RM to be Backflushed on Part Close Checkbox:

Selecting either the "Full Batch Backflush" or "Item-wise Backflush" checkbox will automatically select the "Size Amount of RM to be Backflushed on Part Close" checkbox to ensure proper raw material tracking.

The screenshot shows the 'Production Defaults' dialog box with the 'Staging/Picking' tab selected. The 'Backflush Feature' section is highlighted with a red box and contains the following options:

- Full Batch Backflush
- Item-wise Backflush
- Size Amount of RM to be Backflushed on Part Close

Other visible options in the 'Backflush Feature' section include:

- Automatically Allocate Batches on Release
- Allocate on Staging
- Show allocated Lots only on Bulk Staging Document Entry

The 'Implement Staging' section includes:

- Implement Staging
 - Use Enhanced Staging/Picking System
 - Implement Picking Only(Batch by Batch)
 - Implement Staging Only(Bulk Staging)
 - Implement Both (Bulk Staging and Picking)
- Staging/Drop Bin
 - Use a Single Staging/Drop bin defined at Warehouse
 - Use Staging/Drop bin defined at Process Cell

A table below the 'Staging/Drop Bin' section shows the following data:

| # | Warehouse | Staging Bin Group |
|----|-----------|-------------------|
| 01 | 01 | stage |

- ### d. Enabling Item Specific Backflush Settings:
- 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 *Advanced Item Wise Backflush* is marked on the *Production Defaults*.

Item Master Details

Item Number: RM0001
 Description: Sugar
 Alternate Desc: [] GTIN: []

Inventory | Quality Control | UoM Conversion | **Batch Options**

Production UOM: KG
 Planning Method: MRP

QC Lead Time(days): 0
 Sample Quantity: 0.000
 Sample UOM: []
 Sample Instructions: []

Overage %: 0.000
 Potency %: []

Hazard Information for BOL

Hazardous Material
 UN/NA ID: []
 Hazmat Shipping Name: []
 Hazmat Class: []
 Hazmat Packaging Group: []
 Exclude item from picking/Staging
 Pick UOM: []
 Quantity per pick UOM: 0.000
 Weighing Tolerance: 0.000
 Backflush Item

OK Cancel

- e. **Form Settings:** Ensure that the *Visible* and *Active* checkboxes are marked on the *Table Format* tab of the *Form Settings* screen for the screen on which *Backflush* checkbox is applicable. On marking *Visible* and *Active* checkboxes the *Backflush* checkbox is enabled on the respective backflush supported screen.

Form Settings - Batch Ticket - FG Detail

Select UI Template: [] Apply

Table Format | Row Format | Document

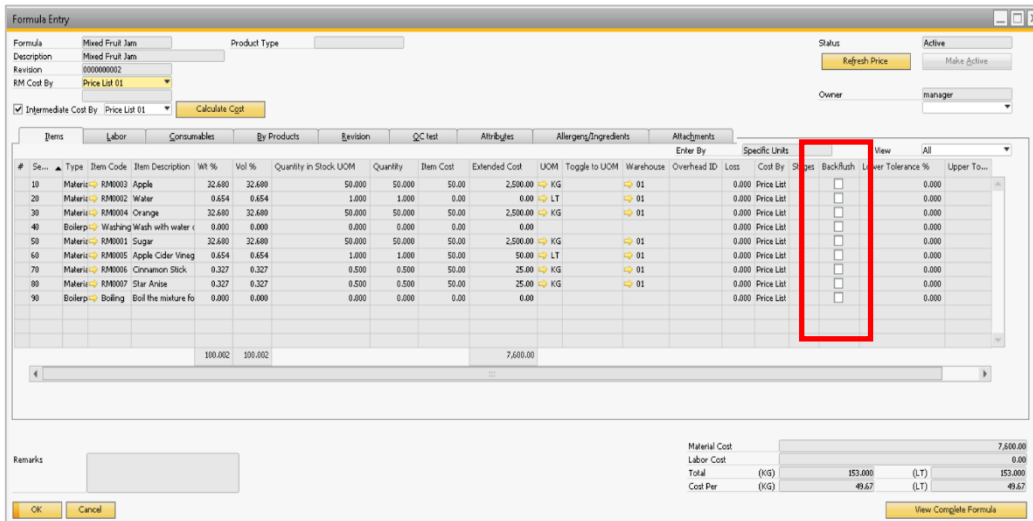
Find Next

| Column | Visible | Active |
|--------------------------|-------------------------------------|-------------------------------------|
| Qty. to Return Stock UOM | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Qty. Returned | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Qty. Returned Stock UOM | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Qty. Used | <input type="checkbox"/> | <input type="checkbox"/> |
| Qty. Used Stock UOM | <input type="checkbox"/> | <input type="checkbox"/> |
| BOM RecordID | <input type="checkbox"/> | <input type="checkbox"/> |
| Status | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Pick Status | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Backflush | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Lower Tolerance % | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Upper Tolerance % | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Allocated Qty | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Allocated Qty. Stock UOM | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

OK Cancel Restore Default

7.2 Backflush Operation Supported Screens

1. **Formula Entry:** If you mark *Backflush* checkbox on the *Formula Entry* screen, then the system displays auto marked *Backflush* checkbox for the respective item on the *Batch Ticket* screen as well. When adding raw materials to the formula, the system automatically retrieves the backflush value from the Item Master Details screen by default. You can modify this value if needed.



2. **BOM Entry:** If you mark *Backflush* checkbox on the *BOM Entry* screen, then the system displays auto marked *Backflush* checkbox for the respective item on the *Batch Ticket* screen as well.
3. **Batch Ticket:** On the *Formula* tab, Finished Good Tab for BOM Items and *Consumable* tab, *Backflush* checkbox is available. The system auto fetch backflush value from Formula Entry, Bom Entry, if user wants then user can change back flush value.
4. **Material Issue:** The screen displays Raw Materials and Consumable Items for which Back Flush item option is not marked.
5. **Batch Close:** Backflush item gets issued once you close a batch via the *Batch Close* screen.
6. **Super Batch:** Item-specific backflushing settings are honored on the *Super Batch* screen.

8 Consumable Item Sizing Option in BOM Entry Screen

The newly added *Size with Batch* option in the *Bill of Materials Entry* screen allows users to control whether consumable item quantities should be automatically sized based on the finished goods (FG) production batch size or remain static as per the BOM definition.

Previously, the *BOM Entry* screen lacked an option to specify whether consumable item quantities should scale with the production batch size. By default, consumable quantities were adjusted based on FG production, whereas the *Formula Entry* screen included a dropdown (Yes/No) to control this

behavior. This inconsistency created a usability gap, as users might not always want consumable quantities to adjust dynamically.

8.1 Costing Default

Costing Default screen is enhanced with the *Cost Rollup Optimization* option.

The screenshot shows the 'Costing Defaults' dialog box with the 'Cost' tab selected. The 'Policies not Allowed in Product Cost Analysis' table is visible, with one row containing a checkbox, a yellow arrow pointing to 'A', and the description 'Active'. Below the table, there are several settings: 'Include Cost Analysis on what Page' set to 'Own Page', 'Default Finished Goods Cost Analysis Method' set to 'Calculate Sales Price', 'Default Lot Size' set to '0', and 'Enable Formula based Lot Size Method' unchecked. The 'Cost Rollup Optimization' checkbox is checked and highlighted with a red box. 'OK' and 'Cancel' buttons are at the bottom.

| # | Select | Policy | Description |
|---|--------------------------|--------|-------------|
| | <input type="checkbox"/> | → A | Active |
| | | | |
| | | | |

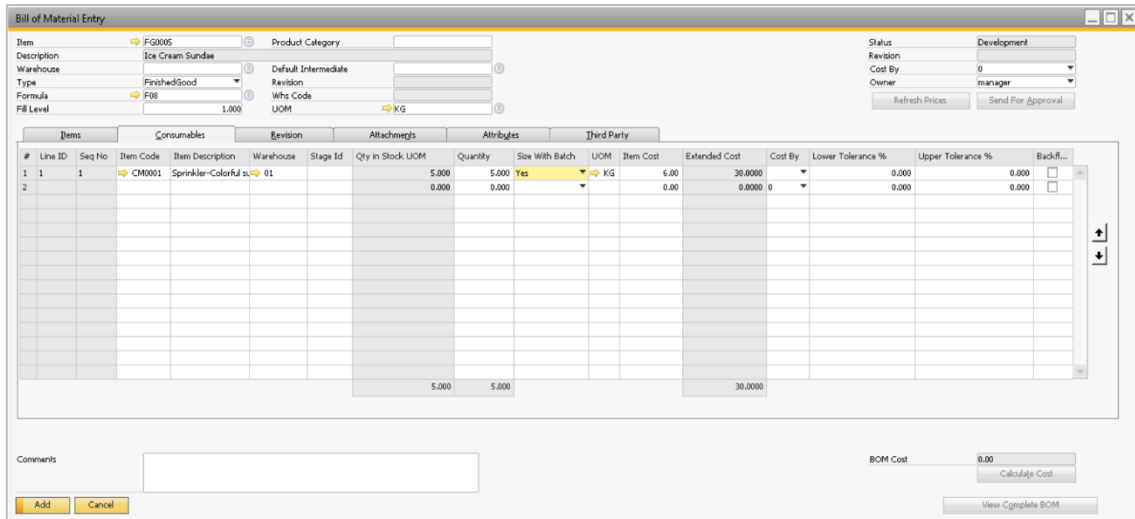
Include Cost Analysis on what Page: Own Page
Default Finished Goods Cost Analysis Method: Calculate Sales Price
Default Lot Size: 0
 Enable Formula based Lot Size Method
 Cost Rollup Optimization

8.2 BOM Entry

The *Size with Batch* dropdown is now available under the *Consumable* tab in the *BOM Entry* screen.

This option offers two options as:

- **Yes** –The system sizes consumable quantities based on the FG batch size. On creating a new BOM or adding a new consumable item, the default value is set to "Yes". As a result the consumable quantities scale based on the FG batch size.
- **No** – The consumable quantities remain static as defined in the BOM.



8.3 Consumable Item Sizing Supported Screens

1. **BOM Explosion Screen:** Reflects sizing settings.
 - a. Displays consumables based on the "Size with Batch" setting.
2. **Batch Ticket/Close Screen & Super Batch Production.**
3. **Cost Roll-up Execution:** Uses "Size with Batch" for cost calculations
 - a. Uses the sized quantity if "Yes" is selected.
 - b. Uses the standard BOM quantity if "No" is selected.
 - c. Only applies when the Optimization Switch for Cost Roll-Up is set to 'Y'.
4. **Planning Dashboard:** Adjusts consumable demand accordingly.
 - a. Demand for consumables aligns with the "Size with Batch" setting.
5. **DTW (Data Transfer Workbench) Support:**
 - a. The "Size with Batch" column is now supported for BOM imports.

9 Lot Masking

Batch/Serial Masking screen is enhanced with the newly added *Business Partner Code* option in the *Type* field. With this new feature, users can automatically generate a lot number using a combination of predefined masking options. This option is available only when the masking method is set to "Automatic."

Available Masking Criteria for Batch Lot or Serial Numbering:

1. Document Number (DocNum)
2. Item Code
3. Alpha Character
4. Year

5. Month
6. Day
7. Series
8. Business Partner Code

When enabled, the system will automatically apply the lot number masking during the receipt process in the following documents:

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

This enhancement in lot number generation ensures that lot numbers are systematically generated and assigned according to the specific business partner codes. The generated lot numbers offer improved traceability and reduce manual efforts for creating lot numbers. Additionally, lot masking based on Business Partner Code enhances consistency in batch tracking and leads to improved efficiency in warehouse operations.



Transaction document which does not have BP Code in document like Goods Receipt, then while receiving the system generate 'XXXX' in the generated lot number as per sizing provided at the core *Batch/Serial Masking* screen. Production linked to Sales Order should have masking based on customer selected in Sales Order, if masking is enabled in received item.

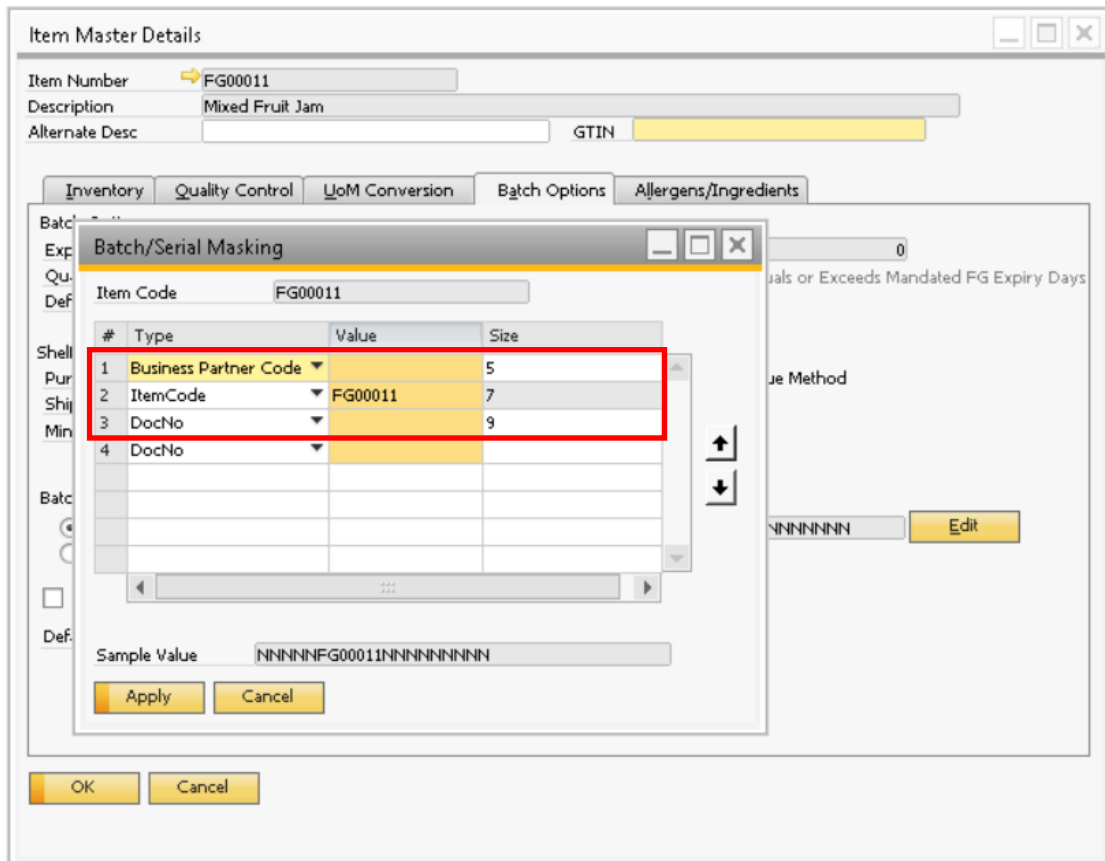
9.1 Example of Lot Masking Based on Business Partner Code

Say, for example, if you want to create lot masking based on the following character length. Here we are considering *Business Partner Code*, *Item Code*, and *Batch Number*:

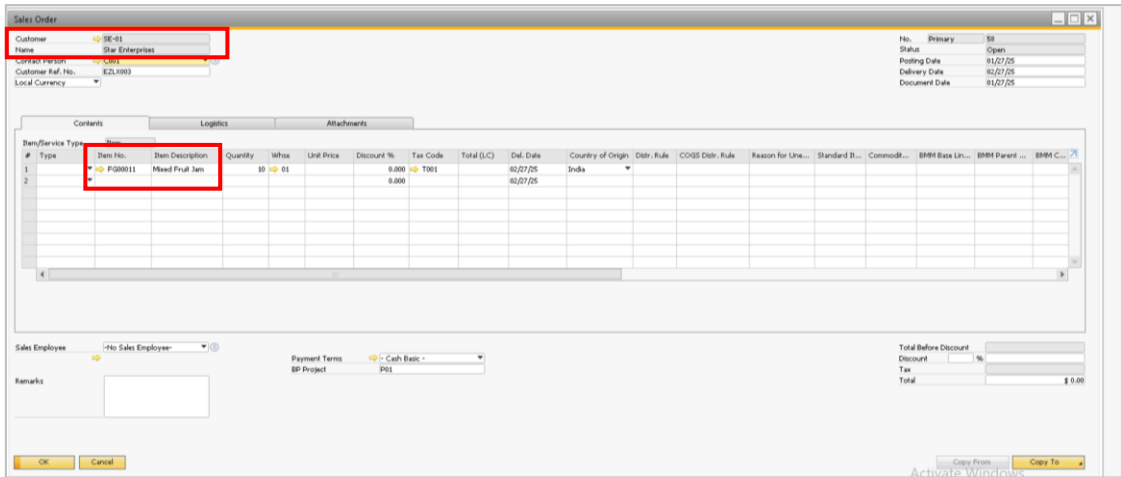


1. To define the above-mentioned character count, move on to the *Batch Options* tab of the *Item Master Details* screen for the respective item. Here, we are considering item *FG00011-Mixed Fruit Jam*. On the *Batch Masking* option click the *Edit* button. This option will only be available if you keep the masking method automatically. The system displays *Batch/Serial Masking* screen.

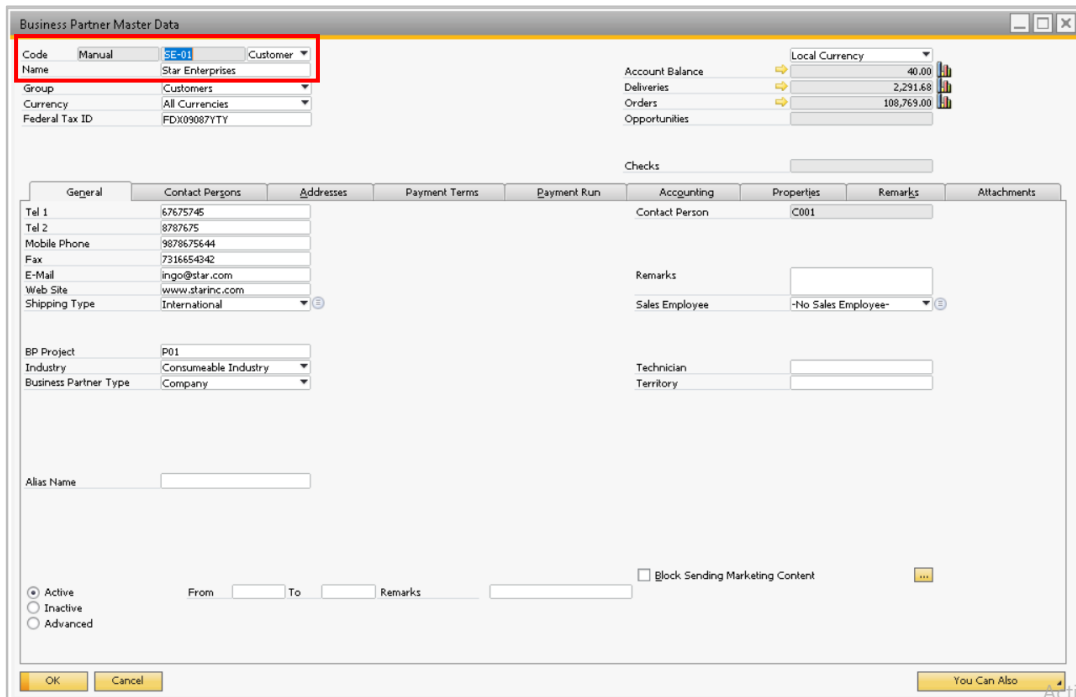
- From the *Type* dropdown, select the newly enhanced option *Business Partner Code* and specify its character size as 5. The core *Batch Masking* screen is enhanced with the *Business Partner Code* option in the *Type* field.
- From the *Type* dropdown, select the *Item Code* option and specify item *FG00011* with its character size as 7.
- From the *Type* dropdown, select the *DocNo* option and specify its character size as 9 to also accommodate the 8 characters.



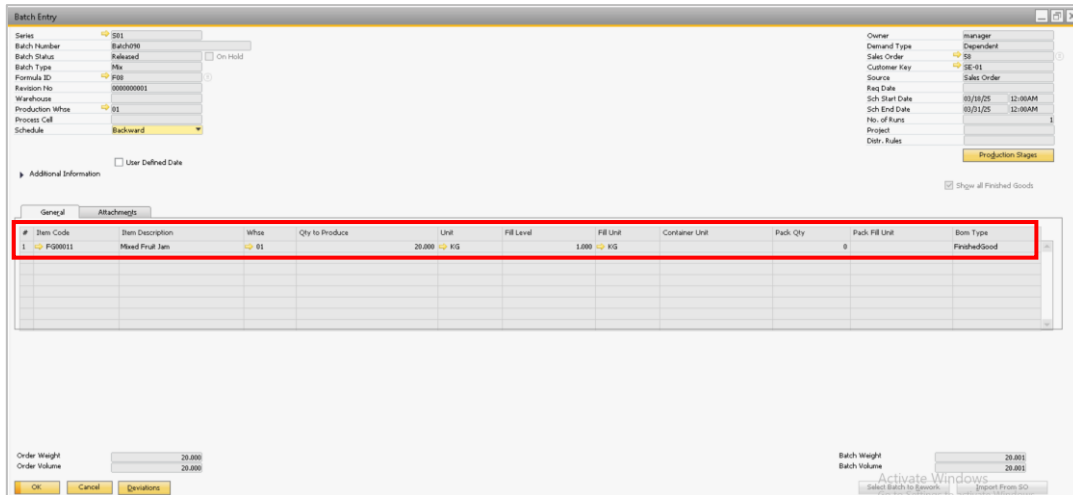
2. Click the *Apply* button on the *Batch/Serial Masking* screen to save the defined character count for the lot number masking.
3. Now create a sales order for the item *FG00011- Mixed Fruit Jam* with the Customer *SE-01*. The sales order is created with the system generated number as *58*. Use this sales order while creating the upcoming batch as a dependent demand for this sales order i.e., Sales Order *58*.



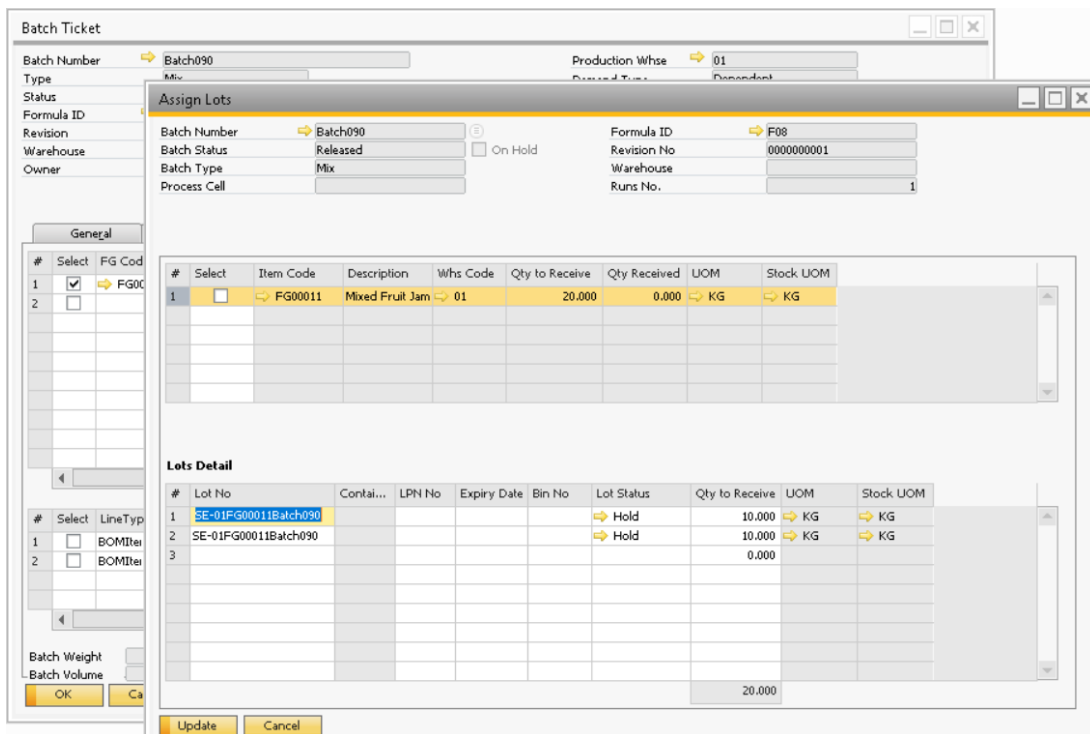
- The *Customer* code *SE-01* is maintained on the *Business Partner Master Data* for the *Type* as *Customer*.



- Now create a batch for the same item *FG00011- Mixed Fruit Jam* with the dependent demand for the Sales Order. Select same Sales Order i.e., *58* and save it. The batch is saved with the system generated batch number as *Batch090*. Now release this batch.



6. Move on to the *Batch Ticket* screen, select the same batch *Batch090* and assign lots.



7. Under the Lot Details section, the system generates lot number based on the character count specified at the core *Batch/Serial Masking* screen including the newly provided Business Partner Code.

| S.No. | Defined Batch/Serial Masking in Core screen (Character Count) | Actual Data | Lot Number |
|-------|---|-------------|----------------------|
| 1 | Business Partner Code (5 Characters) | SE-01 | SE-01FG00011Batch090 |
| 2 | Item Code (5 Characters) | FG00011 | |

| | | | |
|---|---|----------|--|
| 3 | DocNo (9 Characters) for Batch Number that includes 8 characters. | Batch090 | |
|---|---|----------|--|



The system generates lot number masking by excluding the space between the defined code types and considers the newly added Business Partner Code.

10 Update Unit Conversion Screen Optimisation with Item Filter

The *Update Unit Conversion* screen loading process has been optimized to significantly reduce initial load times. A new item code/description search filter is implemented within the item-wise update section. Users can enter an item code, and the system will display only the relevant item(s), simplifying the update process.

| # | Item Code | Description | From Unit | To Unit | Operation | Conversion Factor | Message |
|---|-----------|-----------------|-----------|---------|-----------|-------------------|---------|
| 1 | PK0001 | Bottle 1 KG | EACH | KG | Multiply | 1.000 | |
| 2 | PK0001 | Bottle 1 KG | EACH | LT | Multiply | 1.000 | |
| 3 | PK000111 | Bottle - 500 gm | EACH | KG | Multiply | 1.000 | |
| 4 | PK000111 | Bottle - 500 gm | EACH | LT | Multiply | 1.000 | |

Reason:

OK Cancel

Item-Wise Update Filter:

- A text field has been added, allowing users to input an item code or item description with real-time filtering, supporting both full and partial text matching for enhanced search efficiency.

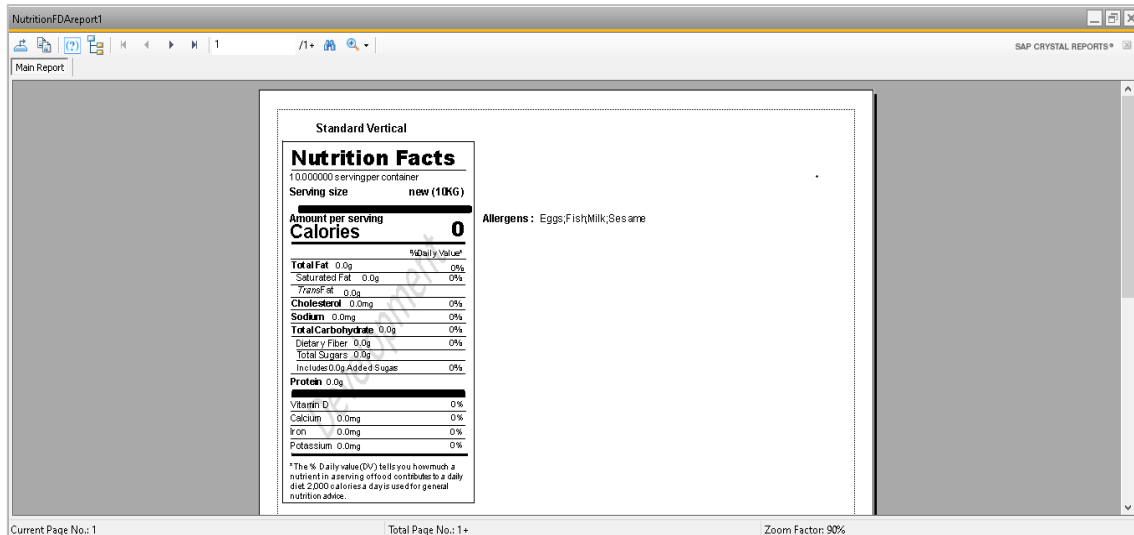
- Upon entering an item code, the displayed data is filtered to show only the matching item(s).
- Users can then modify the conversion factor for the filtered item(s).
- Clicking the "Update" button applies the changes, and the screen is refreshed to reflect the updated data for the selected items.

11 Nutritional Labelling for Development Status of Formula

A *Development Status* checkbox is added to the *Nutritional Labelling Report Generation* screen. By default, this checkbox is unchecked, maintaining the current functionality. When the *Development Status* checkbox is selected, the system will:

- Retrieve Finished Goods (FG) and Bill of Materials (BOM) data that are in "Development" status.
- Fetch only the top-most revision number for these developmental formulas.

- Print Type is set to AtWater for Nutrition Label report.
- **Report Generation:** After the user selects the relevant BOM and Formula in developmental status. The report is generated based on the user's selections with the Development watermark.



12 Quality Monitoring Dashboard

The new *Quality Monitoring Dashboard* provides an intuitive interface for tracking and managing Quality Control (QC) processes. You can filter and retrieve QC-related data based on different criteria such as QC type, status, date range, item code, order number, and business partner range.

- **Dynamic Report Selection:** You can choose from multiple report types to analyze QC data.
- **Comprehensive Filtering:** Various range filters allow precise data extraction.
- **Enhanced QC Tracking:** You can monitor both ongoing and completed QC processes efficiently.
- The dashboard presents data in a grouped format (e.g., by QC order) and allows you to drill down for detailed insights.

The image shows a software window titled "Quality Monitoring Dashboard". It contains several sections for data entry:

- Type :**
 - QC Type: Inventory QC (dropdown)
 - Report Type: Open QC Orders Report (dropdown)
- QC Status :**
 - QC Status: New (text field with a dropdown arrow)
- QC Date Range :**
 - QC Date From: 03/26/25 (text field)
 - QC Date To: 03/26/25 (text field)
- Item Code Range :**
 - Item Code From: FG0004 (text field)
 - Item Code To: FG0004 (text field with a dropdown arrow)
- Order Number Range :**
 - Production Order No From: (text field with a dropdown arrow)
 - Production Order No To: (text field with a dropdown arrow)

At the bottom of the form are two buttons: "Get Data" and "Cancel".

12.1 Dashboard Fields and Options

12.1.1 Report Type (Mandatory)

The Report Type field allows users to select the type of report to generate. Only relevant report types are available based on the selected QC Type (Production, Inventory, Sales, Purchase). This is a mandatory field and includes the following options:

- Open QC Orders Report** – Displays all ongoing QC orders. Displays newly created orders requiring QC inspection. Orders with QC Status 'New', 'Pending', or 'In Progress' within the selected date range and QC Type. QC Status selection is ignored to ensure in-progress orders are always displayed.

Open QC Orders

Quality Monitoring Dashboard

Drag a column header here to group by that column

| QC Order No | Document No | QC Type | Status | Order Date | | | |
|-------------|----------------------|-------------|---------------|-------------|------------|--------------|-----------------------|
| 1 | PRO00003 | A0418 | Production QC | New | 04/10/2024 | | |
| 2 | PRO00004 | A0419 | Production QC | New | 04/10/2024 | | |
| QC Order No | Item Code/Formula ID | Description | Warehouse | Lot No | Lot Qty | Item/Formula | Assigned QC Inspector |
| 1 | PRO00004 | A1_FG | A1_FG | 01 | | A1_FG00006 | 1.0000 Item |
| QC Order No | Document No | QC Type | Status | Order Date | | | |
| 3 | PRO00001 | A0413 | Production QC | New | 04/10/2024 | | |
| 4 | PRO00002 | A0416 | Production QC | New | 04/10/2024 | | |
| 5 | 1 | A0420-002 | Production QC | Released | 04/10/2024 | | |
| 6 | 2 | A0702-002 | Production QC | New | 07/08/2024 | | |
| 7 | PRO000005 | SO0706-001 | Production QC | New | 07/09/2024 | | |
| 8 | PRO000006 | A0755 | Production QC | In Progress | 07/09/2024 | | |
| 9 | PRO000010 | A0109 | Production QC | In Progress | 01/08/2025 | | |
| 10 | PRO000011 | A0115 | Production QC | In Progress | 01/09/2025 | | |
| 11 | PRO000012 | A0116 | Production QC | Released | 01/09/2025 | | |
| 12 | PRO000014 | XAZ2 | Production QC | New | 01/09/2025 | | |
| 13 | PRO000017 | SPB1-002 | Production QC | In Progress | 01/09/2025 | | |
| 14 | PRO000018 | SPB1-003 | Production QC | New | 01/09/2025 | | |
| 15 | PRO000019 | XAZ3 | Production QC | New | 01/09/2025 | | |
| 16 | PRO000020 | PP1 | Production QC | New | 01/09/2025 | | |
| 17 | PRO000021 | LB1 | Production QC | New | 01/09/2025 | | |
| 18 | PRO000022 | A0120 | Production QC | New | 01/09/2025 | | |

OK Cancel

- Completed/Closed QC Orders Report** – Shows all QC orders that have been finalized. Displays past orders with completed QC inspections. Orders with QC Status as 'Completed' within the selected date range and QC Type. QC Status selection is ignored to ensure completed status orders are always displayed.
- QC Test Parameter Performance Report** – Evaluates QC test results across different parameters. Analyzes QC test parameters across different batches and QC types. QC test records within the selected date range and QC Type.

Quality Monitoring Dashboard

Test Parameter Performance

Drag a column header here to group by that column

| QC Type | Test Parameter Name | Test Method | Measuring Parameter | Total Orders | Total No of Parameters | Total No of Passed Parameters | |
|-------------|---------------------|--------------------|---------------------|--------------|------------------------|-------------------------------|---------------|
| 1 | Production QC | T2 | Pass/Fail | 31 | 305 | 2 | |
| QC Order No | QC Status | Doc Reference Type | Doc No | Doc Date | Item Code | Item Name | |
| 1 | 1 | New | Production Batch | A0813-001 | 08/08/2024 | A1_INT | Intermediate |
| 2 | 10 | New | Production Batch | A0204-002 | 02/04/2025 | A1_FG | Finished Good |
| 3 | 13 | New | Production Batch | A0205-002 | 02/04/2025 | A1_FG | Finished Good |
| 4 | 16 | New | Production Batch | A0206-002 | 02/04/2025 | A1_FG | Finished Good |
| 5 | 19 | New | Production Batch | A0207-002 | 02/05/2025 | A1_FG | Finished Good |
| 6 | 22 | Released | Production Batch | A0208-002 | 02/05/2025 | A1_FG | Finished Good |
| 7 | 25 | New | Production Batch | A0209-002 | 02/05/2025 | A1_FG | Finished Good |
| 8 | 29 | New | Production Batch | demo-002 | 02/20/2025 | A1_FG | Finished Good |
| 9 | 42 | New | Production Batch | A0241-005 | 02/20/2025 | 91809303 | 91809303 |
| 10 | 45 | New | Production Batch | A0242-005 | 02/20/2025 | 91809303 | 91809303 |
| 11 | 5 | New | Production Batch | A1102-003 | 11/08/2024 | A1_INT | Intermediate |
| 12 | 51 | New | Production Batch | A0314-001 | 03/12/2025 | A1_FG | Finished Good |
| 13 | 53 | New | Production Batch | A0315-001 | 03/12/2025 | A1_FG | Finished Good |
| 14 | 8 | New | Production Batch | A1103-003 | 11/08/2024 | A1_INT | Intermediate |
| 15 | PROD000013 | QC Completed | Production Batch | A0810 | 08/08/2024 | A1_INT | Intermediate |
| 16 | PROD000014 | New | Production Batch | A0811 | 08/08/2024 | A1_INT | Intermediate |
| 17 | PROD000015 | New | Production Batch | AA | 08/08/2024 | A1_INT | Intermediate |
| 18 | PROD000016 | New | Production Batch | A0812 | 08/08/2024 | A1_INT | Intermediate |
| 19 | PROD000017 | New | Production Batch | A0104 | 01/21/2025 | A1_INT | Intermediate |
| 20 | PROD000021 | New | Production Batch | Batch1402 | 02/14/2025 | A1_INT | Intermediate |

OK Cancel

- Finished Goods Quality Performance Report (Production QC)** – Assesses the quality of finished goods in production. Evaluates finished goods quality performance based on QC results. QC-tested finished goods batches within the selected date range and QC Type as Production QC.

Quality Monitoring Dashboard

Finished Goods Quality

Drag a column header here to group by that column

| QC Type | FG Code/Formula | FG Name | Total Batches Tested | Total Produced Qty | Total Passed Qty | Pass Ratio (%) | Total Rejected Qty |
|-----------------|-----------------|--------------|----------------------|--------------------|------------------|----------------|--------------------|
| 1 Production QC | A1_INT | Intermediate | 1 | 0.0000 | 1.0000 | 100.000 | |
| 2 Production QC | A1_INT | Intermediate | 1 | 0.0000 | 0.0000 | 0.000 | |
| 3 Production QC | A1_INT | Intermediate | 2 | 6.0000 | 6.0000 | 100.000 | |

| QC Order No | QC Status | Doc Reference Type | Doc No | Doc Date | Item Code | Item Name | Tested Qty |
|--------------|--------------|--------------------|--------|------------|-----------|--------------|------------|
| 1 PROD000001 | QC Completed | Production Batch | XZA1 | 04/10/2024 | A1_INT | Intermediate | |
| 2 PROD000013 | QC Completed | Production Batch | A0810 | 08/08/2024 | A1_INT | Intermediate | |

| QC Type | FG Code/Formula | FG Name | Total Batches Tested | Total Produced Qty | Total Passed Qty | Pass Ratio (%) | Total Rejected Qty |
|-----------------|-----------------|---------|----------------------|--------------------|------------------|----------------|--------------------|
| 4 Production QC | itm50 | itm50 | 1 | 9.0000 | 9.0000 | 100.000 | |

OK Cancel

- **Supplier Raw Material QC Performance Report (Purchase QC)** – Analyzes the QC performance of raw materials supplied by vendors. Tracks the quality of raw materials supplied by vendors. QC results of raw material receipts within the selected date range and QC Type as Purchase QC.

Quality Monitoring Dashboard

Supplier Raw Material

Drag a column header here to group by that column

| QC Type | Material Code | Material Name | Supplier Name | Total Shipments Received | Total Tested Qty | Total Passed Qty | Pass Rate (%) |
|---------------|---------------|--------------------|---------------|--------------------------|------------------|------------------|---------------|
| 1 Purchase QC | 01104101 | 01104101 | TestMasking | 2 | 2.500.0000 | 2.400.0000 | |
| 2 Purchase QC | A1_RM1 | Batch Tracked Item | V | 1 | 2.0000 | 2.0000 | |
| 3 Purchase QC | AK_RM1 | AK_RM1 | V | 2 | 20.0000 | 20.0000 | |
| 4 Purchase QC | itm30 | itm30 | V | 1 | 10.0000 | 9.0000 | |
| 5 Purchase QC | itm50 | itm50 | V | 9 | 103.0000 | 91.0000 | |

| QC Order No | Doc No | Doc Date | Item Code | Item Name | Tested Qty | Passed Qty | Rejected Qty |
|-------------|--------|------------|-----------|-----------|------------|------------|--------------|
| 1 PUR000003 | 9 | 01/24/2025 | itm50 | itm50 | 7.0000 | 7.0000 | |
| 2 PUR000004 | 10 | 01/24/2025 | itm50 | itm50 | 10.0000 | 10.0000 | |
| 3 PUR000005 | 11 | 01/24/2025 | itm50 | itm50 | 10.0000 | 10.0000 | |
| 4 PUR000006 | 12 | 01/24/2025 | itm50 | itm50 | 11.0000 | 11.0000 | |
| 5 PUR000007 | 13 | 01/24/2025 | itm50 | itm50 | 12.0000 | 0.0000 | |
| 6 PUR000008 | 14 | 01/24/2025 | itm50 | itm50 | 14.0000 | 14.0000 | |
| 7 PUR000009 | 14 | 01/24/2025 | itm50 | itm50 | 14.0000 | 14.0000 | |
| 8 PUR000010 | 14 | 01/24/2025 | itm50 | itm50 | 14.0000 | 14.0000 | |
| 9 PUR000011 | 15 | 01/24/2025 | itm50 | itm50 | 11.0000 | 11.0000 | |

| QC Type | Material Code | Material Name | Supplier Name | Total Shipments Received | Total Tested Qty | Total Passed Qty | Pass Rate (%) |
|---------------|---------------|---------------|---------------|--------------------------|------------------|------------------|---------------|
| 6 Purchase QC | itm51 | itm51 | V | 15 | 74.0000 | 63.0000 | |
| 7 Purchase QC | itmPT | itmPT | V | 2 | 2.0000 | 0.0000 | |
| 8 Purchase QC | pqc | pqc | V | 5 | 38.0000 | 24.0000 | |
| 9 Purchase QC | pqc1 | pqc1 | V | 2 | 13.0000 | 13.0000 | |

OK Cancel


12.1.2 QC Type (Mandatory)

The QC Type field is required and allows users to specify the category of QC being monitored:

- **Inventory QC** – Quality checks for stored inventory items.
- **Sales QC** – Quality monitoring for products before customer delivery.

- **Production QC** – Ensures quality compliance during production processes.
- **Purchase QC** – Quality control of raw materials purchased from suppliers.

12.1.3 QC Status

- Users can filter data by selecting a QC Status (e.g., New, In Progress, Completed).
- Clicking the  button provides an option to view and select available statuses.

12.1.4 Filters

- **QC Date Range:** Users can specify a date range for QC records.
- **Item Code Range:** Allows filtering by specific item codes.
- **Order Number Range:** Enables searching based on document order numbers.
- **Business Partner Range:** Filters data by business partners involved in the QC process.

12.1.5 Action Buttons

- **Get Data** – Fetches QC data based on the selected filters.
- **Cancel** – Clears selections and exits the dashboard.

12.2 Recap: Working with QC Monitoring Dashboard


Recap Steps for Using the Quality Monitoring Dashboard:

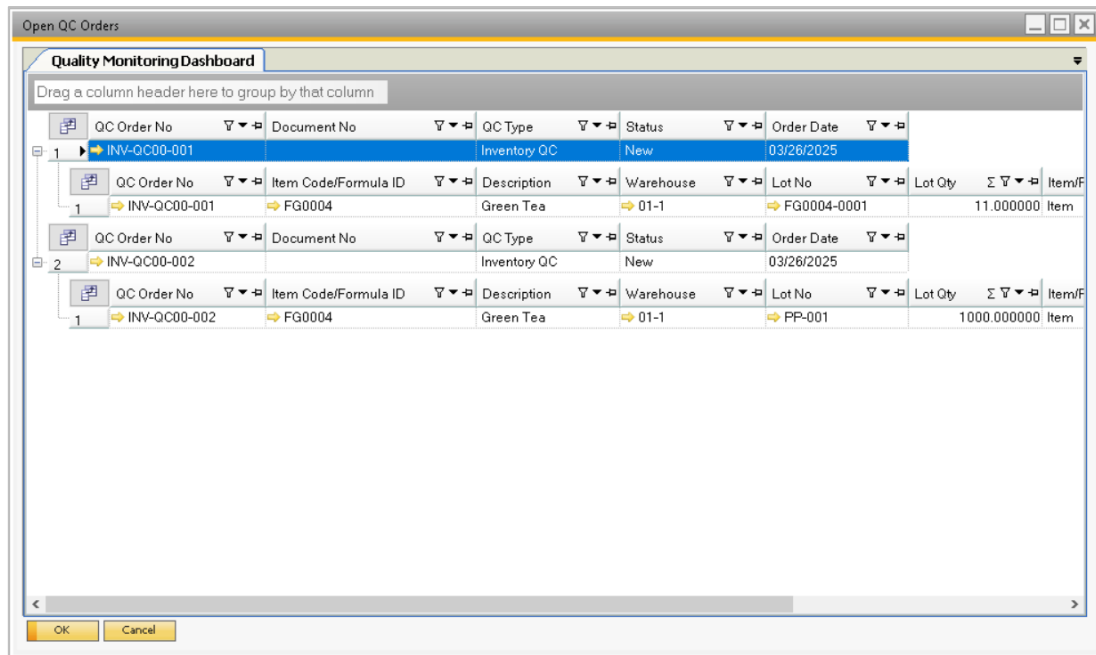
1. Open the Dashboard.

The image shows a 'Quality Monitoring Dashboard' dialog box with the following fields and values:

- Type :**
 - QC Type: Inventory QC
 - Report Type: Open QC Orders Report
- QC Status :**
 - QC Status: New
- QC Date Range :**
 - QC Date From: 03/26/25
 - QC Date To: 03/26/25
- Item Code Range :**
 - Item Code From: FG0004
 - Item Code To: FG0004
- Order Number Range :**
 - Production Order No From: (empty)
 - Production Order No To: (empty)

Buttons at the bottom: Get Data, Cancel.

2. Select QC Type (Mandatory): Choose the relevant QC type from the QC Type dropdown menu.
3. Select Report Type (Mandatory): Choose the desired report type from the Report Type dropdown menu.
4. Select QC Status (Optional): If needed, specify the QC status from the QC Status field. Click the  button to select from available status options.
5. Set Date Range (Optional): If you want to filter by date, enter the QC Date From and QC Date To values.
6. Set Item Code Range (Optional): If you want to filter by item code, enter the Item Code From and Item Code To values.
7. Set Order Number Range (Optional): If you want to filter by order number, enter the Document Order No From and Document Order No To values.
8. Set Business Partner Range (Optional): If you want to filter by business partner, enter the Business Partner From and Business Partner To values.
9. Get Data: Click the Get Data button to retrieve and display the results based on your selected criteria.



13 BMM Lot Strength Column in Lot LPN/Container Report

The Lot LPN/Container report is enhanced with Lot Strength column, to provide users with quick access to the BMM Lot Strength value directly within the report, eliminating the need to navigate to Batch Details.

| 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-SYSTEM-EDH-LOCATION | ALL | 10,000 | KG | 100,000 | 0 | | |
| FG00011 | Mixed Fruit Jam | 01 | Lot001 | 01-SYSTEM-EDH-LOCATION | ALL | 10,000 | KG | 100,000 | 0 | | |
| FG00011 | Mixed Fruit Jam | 01 | Lot07 | 01-SYSTEM-EDH-LOCATION | ALL | 10,000 | KG | 100,000 | 0 | | |
| FG00011 | Mixed Fruit Jam | 01 | mfg-001 | 01-100 | ALL | 168,000 | KG | 100,000 | 0 | | |
| FG00011 | Mixed Fruit Jam | 01 | mfg-001 | 01-100 | FLN-14 | 10,000 | KG | 100,000 | 0 | | |
| FG00011 | Mixed Fruit Jam | 01 | mfg-001 | 01-100 | FLN-59 | 2,000 | KG | 100,000 | 0 | | |
| FG00011 | Mixed Fruit Jam | 01 | MEX-001 | 01-100 | ALL | 1,000 | KG | 100,000 | 0 | | |
| FG00011 | Mixed Fruit Jam - 500gm | 01 | lot-04 | 01-SYSTEM-EDH-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 | 2,000 | 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-SYSTEM-EDH-LOCATION | ALL | 5,000,000 | KG | 100,000 | 0 | | |
| FG00022 | Strawberry Jam - 500gm | 01 | S3-0006 | 01-100 | ALL | 1,570,000 | KG | 100,000 | 0 | | |
| FG00022 | Strawberry Jam - 500gm | 01 | S3-0006 | 01-100 | FLN# | 10,000 | KG | 100,000 | 0 | | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 1 | 01-100 | ALL | 2,000 | KG | 100,000 | 0 | LPN6075 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 1 | 01-100 | ALL | 50,000 | KG | 100,000 | 0 | LPN6077 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 23 | 01-SYSTEM-EDH-LOCATION | ALL | 50,000 | KG | 100,000 | 0 | LPN6072 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 344 | 01-100 | ALL | 50,000 | KG | 100,000 | 0 | LPN6077 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 4 | 01-SYSTEM-EDH-LOCATION | ALL | 50,000 | KG | 100,000 | 0 | LPN6071 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 66 | 01-SYSTEM-EDH-LOCATION | ALL | 50,000 | KG | 100,000 | 0 | LPN6074 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 67 | 01-100 | ALL | 50,000 | KG | 100,000 | 0 | LPN6075 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | lot023 | 01-100 | ALL | 11,000 | KG | 100,000 | 0 | LPN6051 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | Lot 565 | 01-SYSTEM-EDH-LOCATION | ALL | 4,996,000 | KG | 100,000 | 0 | LPN6024 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | 565 | 01-SYSTEM-EDH-LOCATION | ALL | 50,000 | KG | 100,000 | 0 | LPN6074 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | SB-0002 | 01-SYSTEM-EDH-LOCATION | ALL | 2,000 | KG | 100,000 | 0 | LPN6058 | |
| FG00033 | Strawberry Mixed Fruit Jam - 500gm | 01 | SB-0002 | 01-SYSTEM-EDH-LOCATION | ALL | 1,571,000 | KG | 100,000 | 0 | LPN6074 | |
| FG0004 | Green Tea | 01 | 0011 | 01-100 | DOC | 10,000 | KG | 100,000 | 0 | | |
| FG0004 | Green Tea | 01 | 01 | 01-100 | DOC | 100,000 | KG | 100,000 | 0 | | |
| FG0004 | Green Tea | 01 | 02 | 01-103 | DOC | 100,000 | KG | 100,000 | 0 | LPN6063 | |
| FG0004 | Green Tea | 01 | 0907 | 01-SYSTEM-EDH-LOCATION | DOC | 100,000 | KG | 100,000 | 0 | LPN6062 | |
| 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-SYSTEM-EDH-LOCATION | DOC | 11,000 | KG | 100,000 | 0 | | |
| FG0004 | Green Tea | 01 | FG0004-0001 | 01-SYSTEM-EDH-LOCATION | DOC | 25,000 | KG | 100,000 | 0 | | |
| FG0004 | Green Tea | 01 | FG0004-0002 | 01-104 | DOC | 2,000 | KG | 100,000 | 0 | | |

Note:

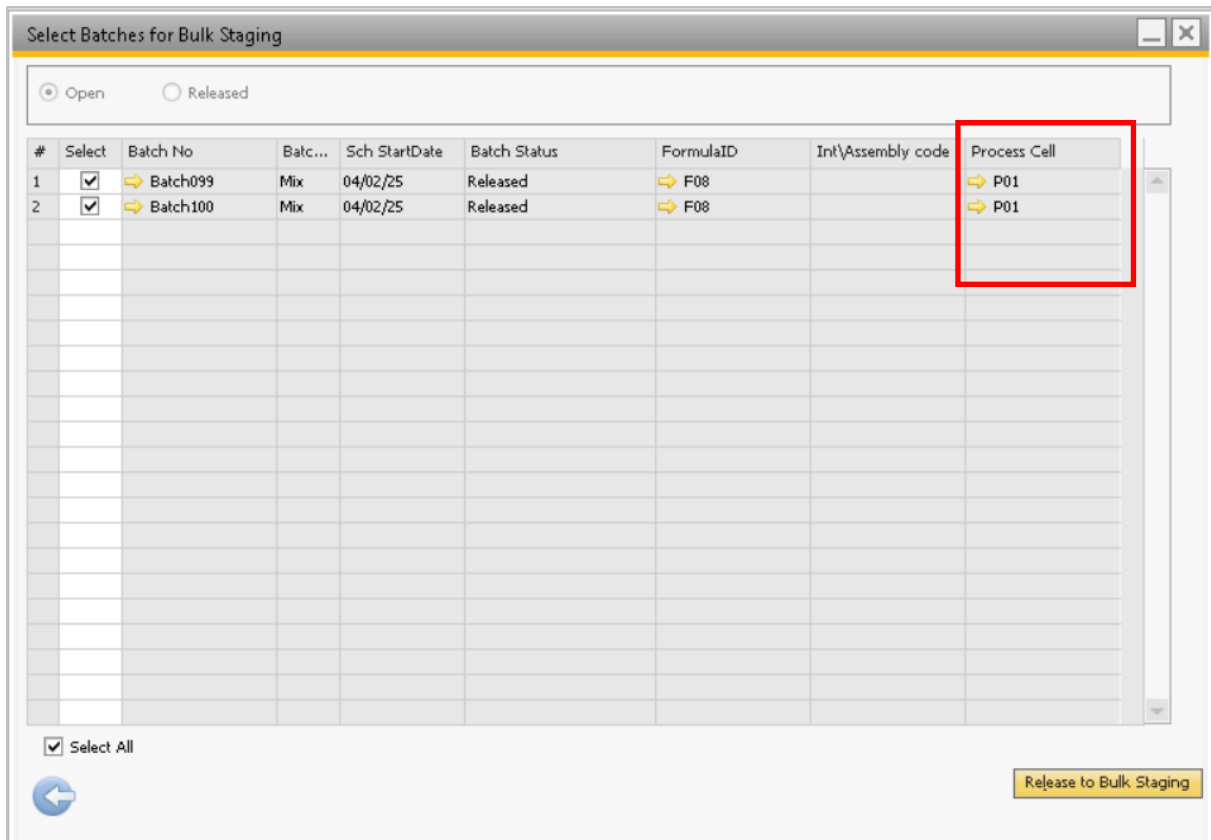
- The *Lot Strength* column will only be visible when the *Optimization* switch is turned off.
- This feature is designed to function exclusively within the non-optimized mode, as the lot strength functionality is only available when the switch is off.

14 Bulk Staging Document Selection with Process Cell Filtering

The *Bulk Staging Document Generation* screen will now include *Process Cell From* and *Process Cell To* fields. To provide users with more granular control over bulk staging document generation by allowing filtering based on process cell ranges.

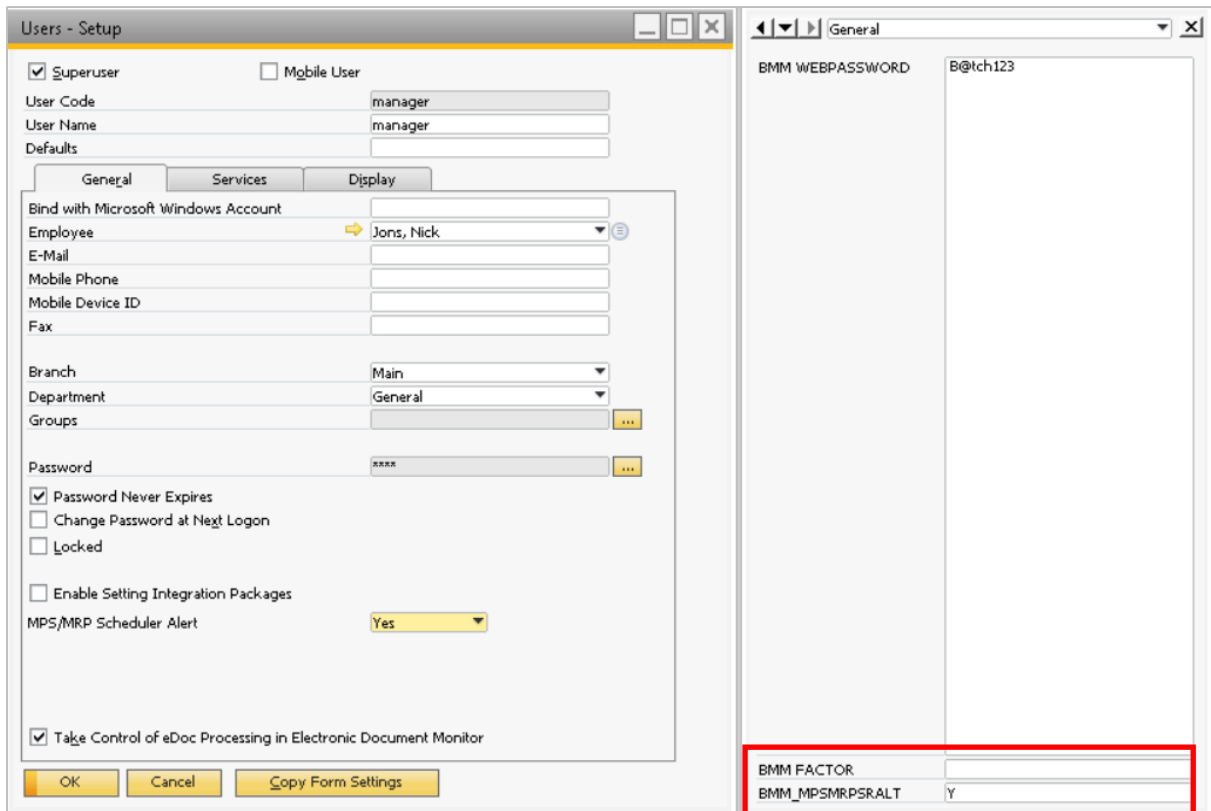
The screenshot shows the 'Bulk Staging Document Generation' dialog box. The 'Process Cell' fields are highlighted with a red rectangle. The 'Process Cell From' field contains 'C01' and the 'Process Cell To' field contains 'PC001'. The 'Batch Number' fields are 'Batch008' (From) and 'Batch019' (To). The 'Sch Start Date' fields are '04/02/25' (From) and '04/02/25' (To). The 'Status' field is 'Open'. The 'Pick intermediate for Super Batch' checkbox is checked. The 'Split Document by' section has three checked options: 'Warehouse', 'Process Cell', and 'Item Group'. The 'OK' and 'Cancel' buttons are at the bottom.

These fields will allow users to specify a range of process cells for filtering production batches. The lookup for process cell selection displays only active process cells. When process cell values are selected, the system retrieves and process only production batches that are associated with the specified process cell range.



15 Removal of BMM_REASONCODE Master Screen and Data Migration

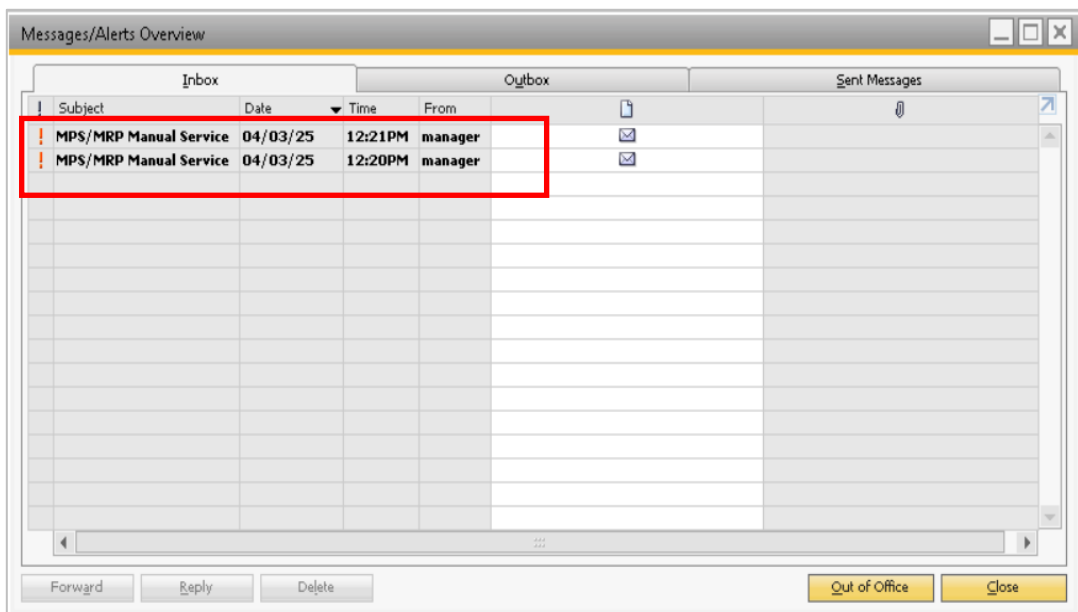
This feature removes the redundant *BMM_REASONCODE Master* screen and migrates its data to the existing *Reason Code Master*. Since the *Reason Code Master* is already used by both *Core* and *WMS* modules, consolidating reason code management eliminates redundancy, reduces maintenance overhead, and ensures data integrity. During the database upgrade, all existing *BMM_REASONCODE* data will be transferred to the *Reason Code* table, and any references within *Core* and *WMS* modules (e.g., lookups) will be updated accordingly.

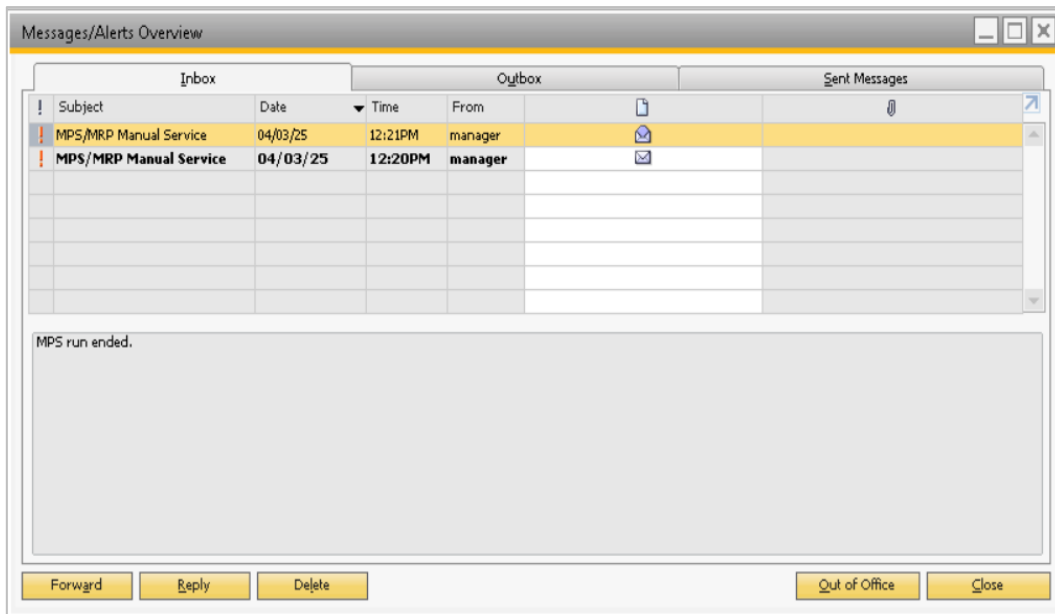


16.2 Messages / Alerts Overview

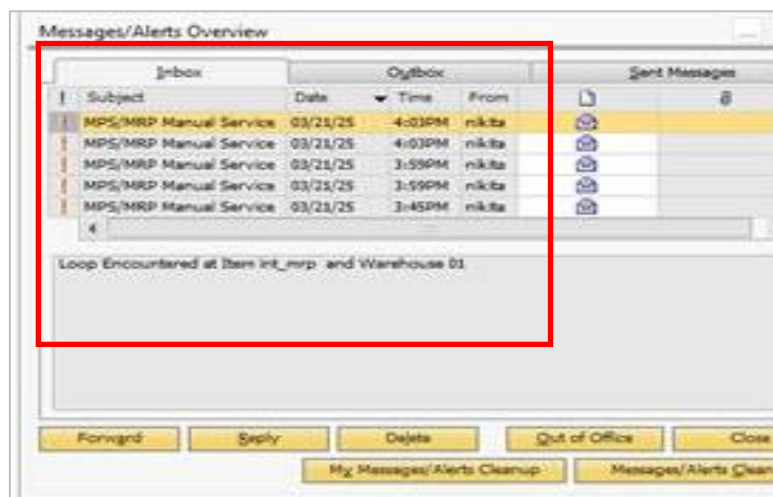
The window displays the messages or Alerts as:

- **MPS Service Execution:**
 - Upon service start, an "MPS Service Started" alert is sent.
 - Upon successful completion, an "MPS Service Executed Successfully" alert is sent.





- **MRP Service Execution:**
 - Following MPS completion, an "MRP Service Started" alert is sent.
 - Upon successful completion, an "MRP Service Executed Successfully" alert is sent.
- **Service Failure:**
 - If either MPS or MRP service encounters a failure, an "MPS/MRP Service Failed" alert is sent.
 - The failure alert will include the exception reason for troubleshooting.



17 Individual Item Deallocation in Production Batches

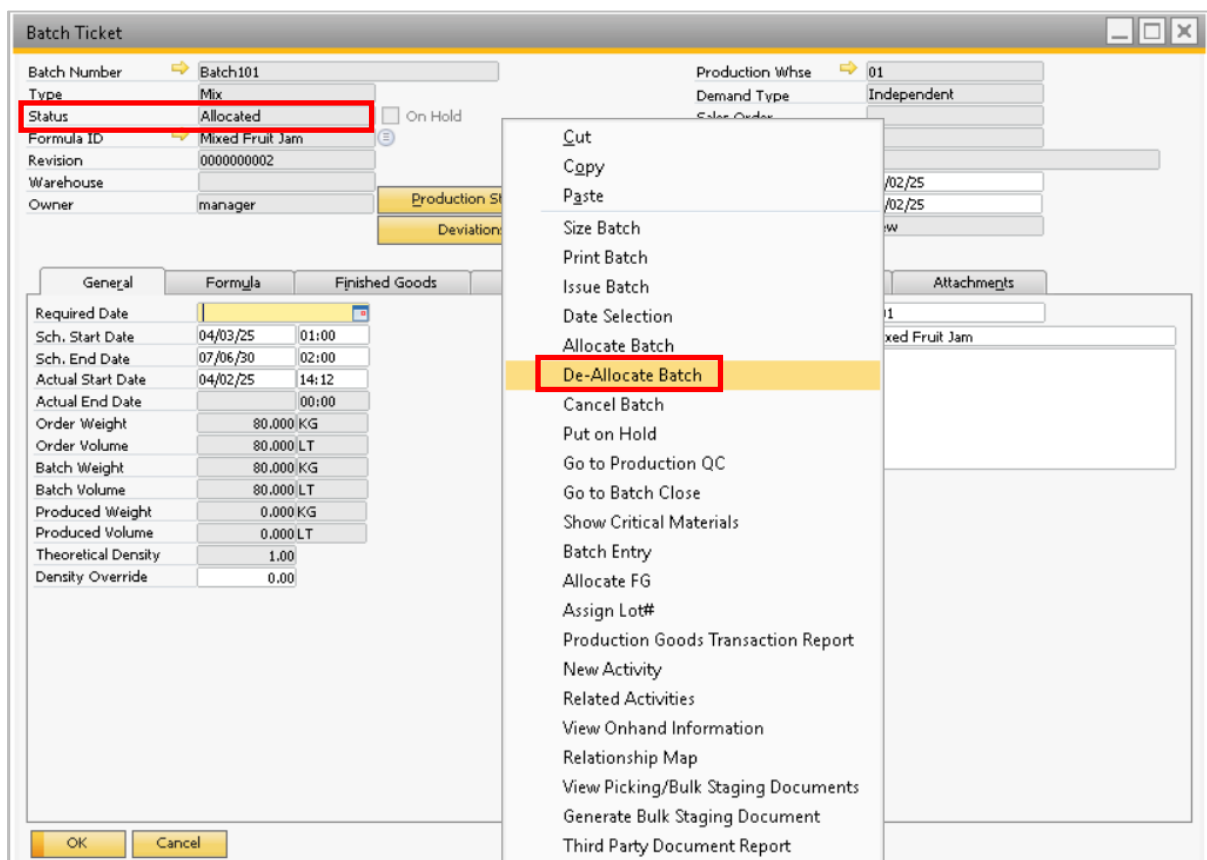
This feature introduces the ability to select and deallocate individual items within a production batch. Currently, while users can individually allocate materials to a production batch, the deallocation process only allows for the deallocation of the entire batch at once.

To provide users with more granular control over material deallocation within production batches, enabling them to deallocate specific items without affecting the entire batch.

17.1 Deallocation in Batch Ticket

In the *Batch Ticket* screen, users can select specific items for deallocation by checking the corresponding checkbox next to each item.

When the batch is in *Allocated* status and specific items are selected, the *De-Allocate Batch* option in the context menu of these screens will deallocate only the selected items.



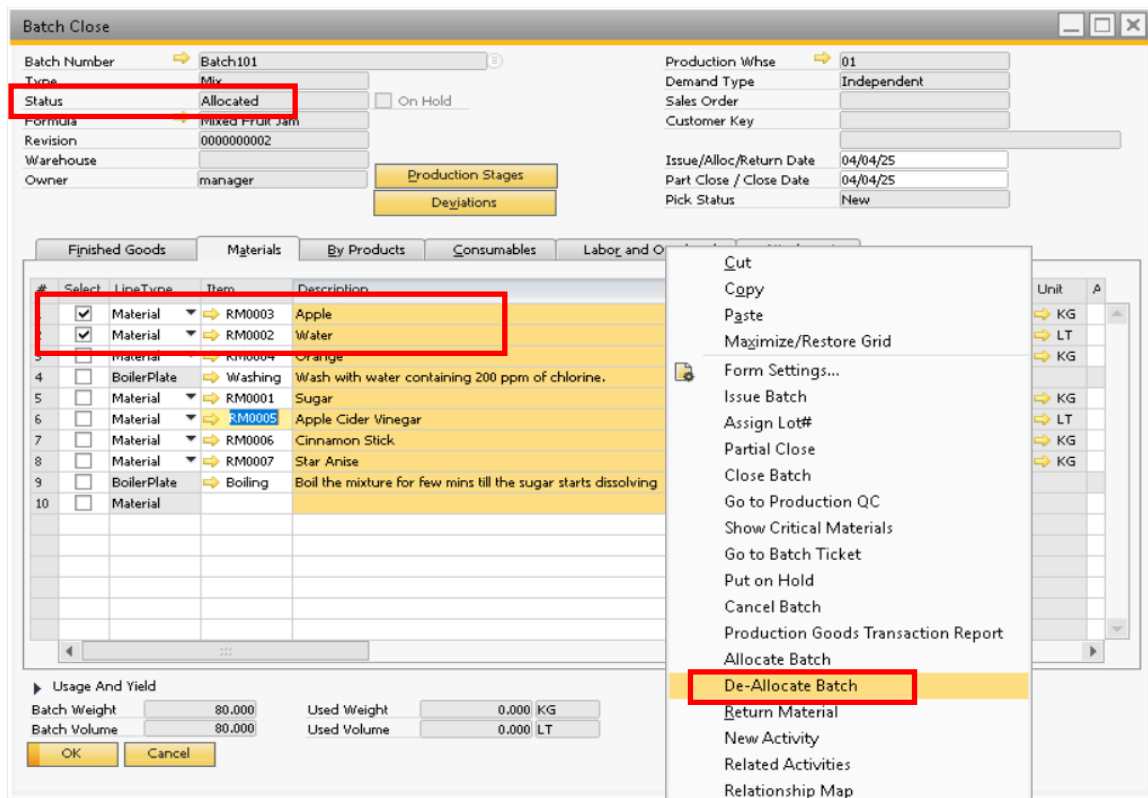
Note:

- If a batch is in "Allocated" status and only specific items are selected for deallocation, the batch status will be changed to "Partially Allocated" after deallocation.
- If a batch is in "Partially Allocated" status and only the remaining allocated items are selected for deallocation, the batch status will be changed to "Released" after deallocation.

17.2 Deallocation in Batch Close

Similarly, in the *Batch Close* screen, users can select specific items for deallocation by checking the corresponding checkbox next to each item.

When the batch is in *Allocated* status and specific items are selected, the *De-Allocate Batch* option in the context menu of these screens will deallocate only the selected items.



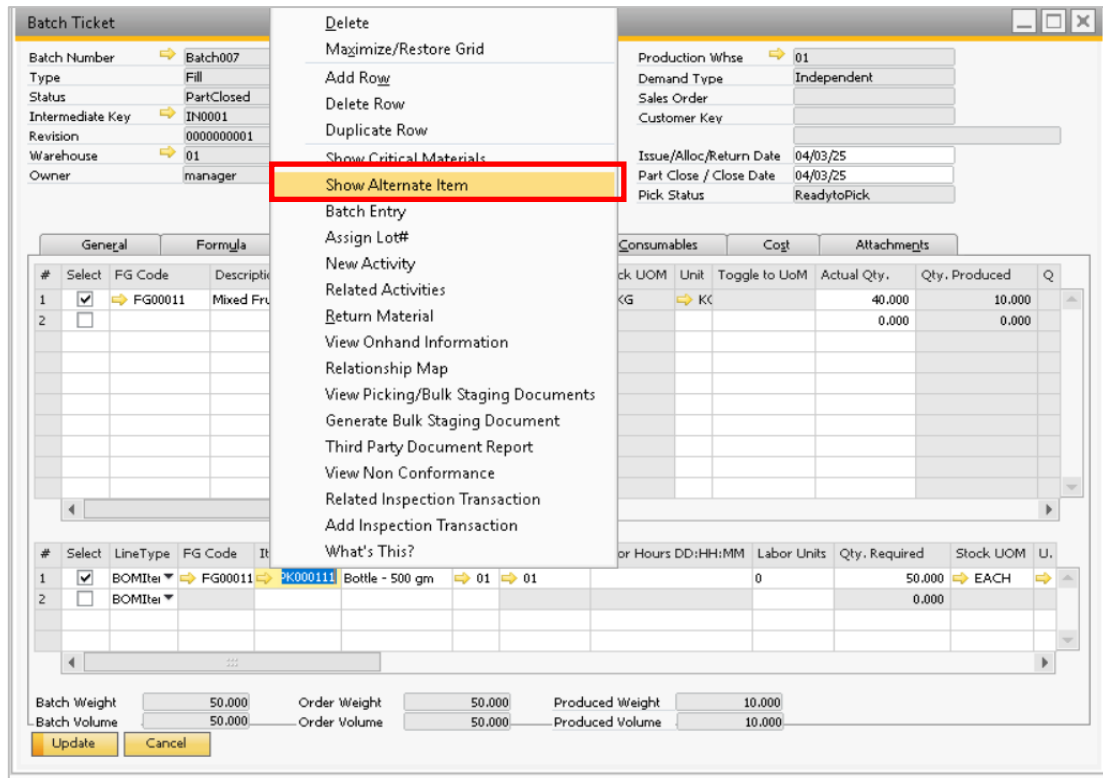
18 Alternate Item Selection for BOM Items on Batch Ticket Screen

To extend the existing alternate item functionality (currently available for formula items) to BOM items, providing users with the flexibility to substitute BOM components during production batch processing.

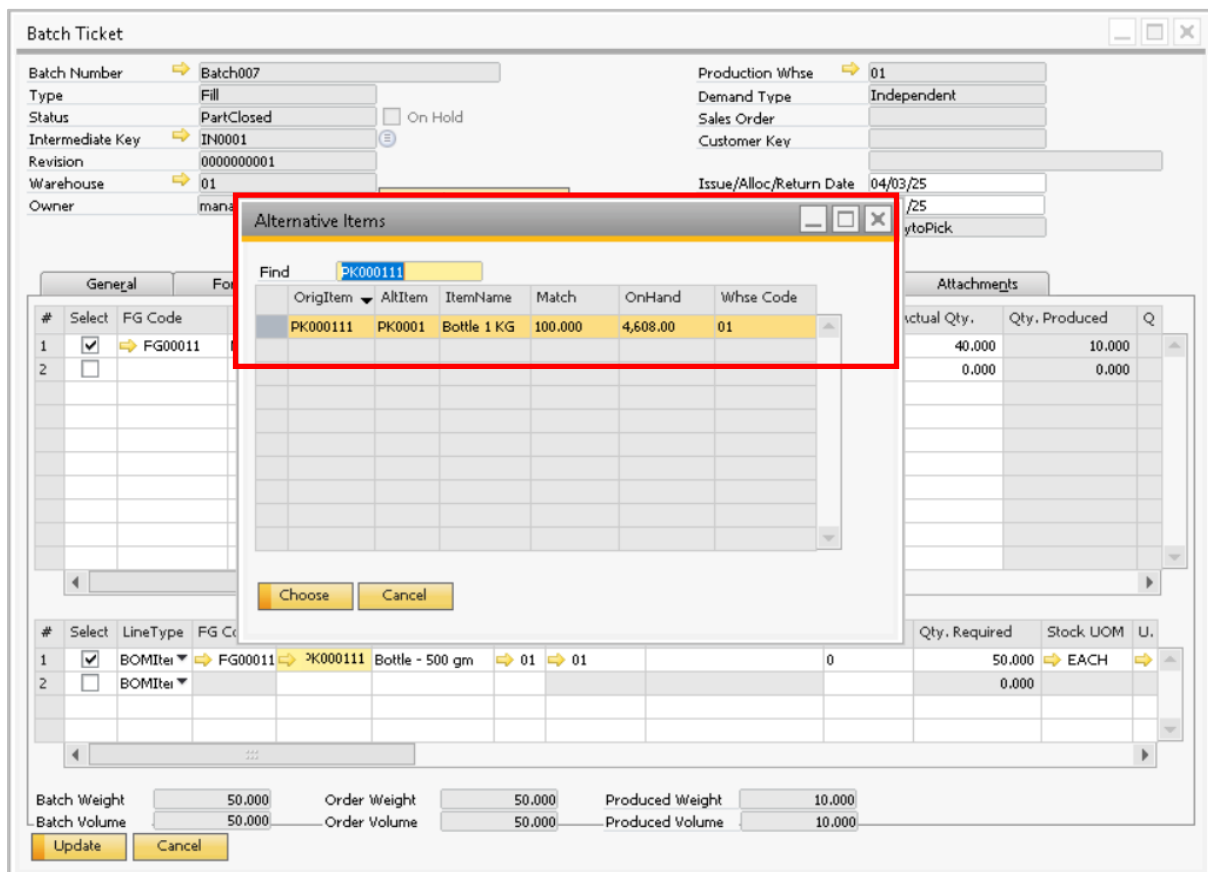
Users currently lack the ability to select alternate items for BOM components directly on the *Batch Ticket* screen, limiting flexibility during production. This feature introduces the *Show Alternate Item* option for BOM items, allowing users to select and replace BOM components with defined alternates.

18.1 Alternate Feature Batch Ticket

On the *Batch Ticket* screen, under the *Finished Goods* tab, a *Show Alternate Item* option is added to the right-click context menu for BOM items.



If alternate items are defined for a BOM item, selecting this option open a lookup displaying the list of available alternates. If no alternate items are defined for a BOM item, selecting "Show Alternate Item" will display a "No records found" message.



Selecting an alternate item from the lookup replaces the original BOM item in the batch, allowing users to consume the alternate.

The screenshot shows the 'Batch Ticket' window with the following details:

- Batch Information:** Batch Number: Batch007, Type: Fill, Status: PartClosed, Intermediate Key: IN0001, Revision: 000000001, Warehouse: 01, Owner: manager.
- Production Settings:** Production Whse: 01, Demand Type: Independent, Issue/Alloc/Return Date: 04/03/25, Part Close / Close Date: 04/03/25, Pick Status: ReadytoPick.
- BOM Table (Finished Goods Tab):**

| # | Select | FG Code | Description | Whse | Original Whse | Standard Quantity | Stock UOM | Unit | Toggle to UoM | Actual Qty. | Qty. Produced |
|---|-------------------------------------|---------|---------------|------|---------------|-------------------|-----------|------|---------------|-------------|---------------|
| 1 | <input checked="" type="checkbox"/> | FG00011 | Mixed Fruit J | 01 | | 50.000 | KG | KG | | 40.000 | 10.000 |
| 2 | <input type="checkbox"/> | | | | | 0.000 | | | | 0.000 | 0.000 |
- BOM Item Details Table:**

| # | Select | LineType | FG Code | Item Code | Item Description | Whse | Original Whs | Labor Hours DD:HH:MM | Labor Units | Qty. Required | Stock UOM | U. |
|---|-------------------------------------|----------|---------|-----------|------------------|------|--------------|----------------------|-------------|---------------|-----------|----|
| 1 | <input checked="" type="checkbox"/> | BOMItem | FG00011 | PK0001 | Bottle 1 KG | 01 | 01 | | 0 | 50.000 | EACH | |
| 2 | <input type="checkbox"/> | BOMItem | | | | | | | | 0.000 | | |
- Summary:** Batch Weight: 50.000, Order Weight: 50.000, Produced Weight: 10.000, Batch Volume: 50.000, Order Volume: 50.000, Produced Volume: 10.000.

Note:

1. If a BOM item has already been issued, the system will prevent the selection of an alternate item.
2. This feature will function consistently with the existing alternate item functionality for formula items, ensuring user familiarity.
3. Tolerance limits and line loss values defined for the original BOM item in the BOM Entry screen is automatically applied to the selected alternate item.
4. Selected alternate items will be reflected in the Production Dashboard, Scheduling Board, and all related reports.

19 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.

| Field | From | To |
|------------------|----------|--------------------|
| Item Code | BK0001 | RM1 |
| Warehouse | 01 | 01-100 |
| Bin | 01-1 | 01-SYSTEM-BIN-LOCA |
| Lot | Lot-001 | LOT1 |
| LPN | A1 | RM005-001-LPN2 |
| Transaction Date | 04/04/24 | 04/03/25 |

Group By: Warehouse Lot LPN

Buttons: Print, Cancel

Users 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.

19.1 Report Fields and Options

19.1.1 Filters

- **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.

19.1.2 Grouping Options

Users can group inventory data based on:

- **Warehouse** – Organizes inventory postings by warehouse locations.
- **Lot** – Groups inventory data by lot numbers.

- **LPN** – Groups postings based on License Plate Numbers.

19.1.3 Actions

- **Print Button:** Generates and prints the inventory posting report based on the applied filters.
- **Cancel Button:** Exits the screen without generating the report.

19.1.4 Recap: Working with BatchMaster Inventory Posting List

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

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

Group By: Warehouse Lot LPN

Buttons: Print, Cancel

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

| 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 | | | | | | | | | | | Opening Balance : | 0.000 | 0.000 | |
| | 12/29/22 | Goods/Production Receipt | 25 | ALL | 01 | 01-100 | EACH | | | | 2,000.000 | 2,000.000 | manager | |
| | 12/29/22 | Goods/Production Issue | 9 | ALL | 01 | 01-100 | EACH | | | | -1,000.000 | 1,999.000 | manager | |
| | 06/22/23 | Goods/Production Receipt | 6 | ALL | 01 | 01-100 | EACH | | | | -1,000.000 | 1,999.000 | manager | |
| | 06/22/23 | Goods/Production Receipt | 6 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | EACH | | LPN0032 | | 1,000.000 | 1,999.000 | manager | |
| | 06/22/23 | Sales Delivery | 1 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | EACH | | LPN0032 | | -1,000.000 | 1,999.000 | manager | |
| | 06/22/23 | Goods/Production Receipt | 6 | ALL | 01 | 01-100 | EACH | | | | -10,000.000 | 1,989.000 | manager | |
| | 06/22/23 | Goods/Production Receipt | 4 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | EACH | | | | 10,000.000 | 1,999.000 | manager | |
| | 06/22/23 | Sales Delivery | 2 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | EACH | | | | -10,000.000 | 1,989.000 | manager | |
| ▼ CM0001 | | | | | | | | | | | Opening Balance : | 0.000 | 0.000 | |
| | 01/11/25 | Goods/Production Receipt | 76 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot-001 | | | 500.000 | 500.000 | manager | |
| ▼ F000011 | | | | | | | | | | | Opening Balance : | 0.000 | 0.000 | |
| | 12/19/22 | Goods/Production Receipt | 7 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot001 | | | 10,000.000 | 10,000.000 | manager | |
| | 12/19/22 | Goods/Production Receipt | 8 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot001 | | | 1,000.000 | 11,000.000 | manager | |
| | 12/19/22 | Goods/Production Receipt | 9 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot 1 | | | 100,000.000 | 111,000.000 | manager | |
| | 12/19/22 | Goods/Production Receipt | 13 | ALL | 01 | 01-100 | KG | Apple-001 | | | 3,000.000 | 3,111.000 | manager | |
| | 12/19/22 | Goods/Production Receipt | 14 | ALL | 01 | 01-100 | KG | nfy-fy-001 | | | 1,000.000 | 4,111.000 | manager | |
| | 12/19/22 | Goods/Production Receipt | 17 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | IS | LPN001 | | 7,000.000 | 4,118.000 | manager | |
| | 10/25/23 | Sales Delivery | 3 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot 1 | | | -1,000.000 | 4,108.000 | manager | |
| | 10/25/23 | Sales Delivery | 3 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot001 | | | -1,000.000 | 4,108.000 | manager | |
| | 01/11/24 | Goods Receipt PO | 4 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot001 | | | 10,000.000 | 4,118.000 | manager | |
| | 01/11/24 | Sales Delivery | 9 | ALL | 01 | 01-100 | KG | nfy-fy-001 | | | -10,000.000 | 4,008.000 | manager | |
| | 05/24/24 | Goods/Production Receipt | 55 | ALL | 01 | 01-100 | KG | 12112 | LPN008 | | 10,000.000 | 4,108.000 | manager | |
| | 07/15/24 | Goods/Production Issue | 11 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | IS | LPN001 | | -2,000.000 | 4,106.000 | manager | |
| | 09/05/24 | Goods/Production Receipt | 14 | ALL | 01 | 01-100 | KG | Lot 1 | | | -10,000.000 | 4,116.000 | manager | |
| | 09/05/24 | Goods/Production Receipt | 14 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot 1 | | | -10,000.000 | 4,106.000 | manager | |
| | 09/05/24 | Sales Delivery | 11 | ALL | 01 | 01-100 | KG | Lot 1 | | | -10,000.000 | 4,096.000 | manager | |
| | 10/18/24 | Goods Receipt PO | 5 | ALL | 01 | 01-1 | KG | 4 | LPN009 | | 400,000.000 | 4,496.000 | manager | |
| | 10/18/24 | Goods Receipt PO | 11 | ALL | 01 | 01-100 | KG | MEK-001 | | | 1,000.000 | 4,497.000 | manager | |
| | 01/03/25 | Inventory Transfer | 56 | ALL | 01 | 01-SYSTEM#BIN+LOCATION | KG | Lot 1 | | | -10,000.000 | 4,487.000 | manager | |
| | 01/03/25 | Inventory Transfer | 56 | ALL | 01-1 | 01-SYSTEM#BIN+LOCATION | KG | Lot 1 | | | 10,000.000 | 4,497.000 | manager | |
| | 01/07/25 | Sales Delivery | 15 | ALL | 01 | 01-100 | KG | Apple-001 | | | -50,000.000 | 4,447.000 | manager | |
| | 01/23/25 | Sales Delivery | 15 | ALL | 01 | 01-100 | KG | Apple-001 | | | -50,000.000 | 4,397.000 | manager | |

20 Ship From Address shown in Bill Of Lading Report

The Bill of Lading report has been enhanced to include the "Ship From" address by displaying the selected warehouse address alongside the company address in the *Warehouse* field.

When a user prints the Bill of Lading for a delivery document, the report now shows both:

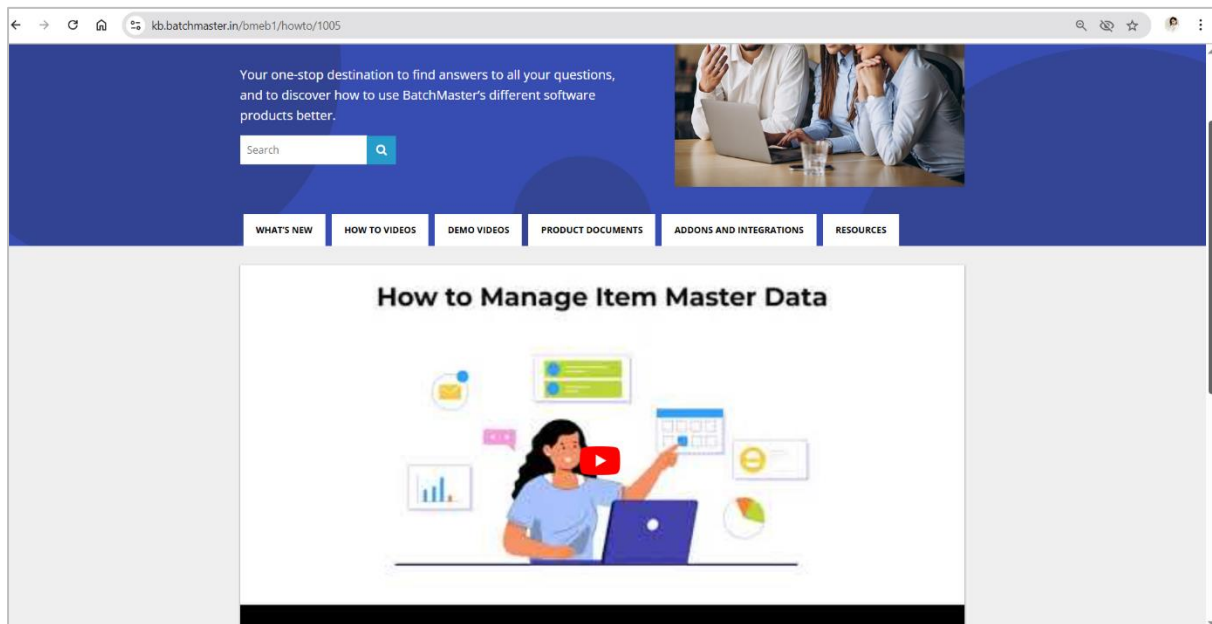
- Company Address
- Warehouse Address (based on the warehouse selected in the delivery)

This combined field helps identify the origin of shipment clearly.

| | | | | | | |
|---|-----------|---|--|--|----------------------|----------------|
| 17-04-2025 17:20:19 | | | | | | |
| BILL OF LADING | | | | | | |
| | | | | Shipper No | | |
| | | | | Carrier No | | |
| | | | | Date | 2/Mar/2022 | |
| DDP | | | | | | |
| To : | | | | From : | | |
| Consignee | | Premium Production | | Shipper | | |
| Address | | 444 N. Industrial Rd. St. George UT 84770 USA | | Street | | |
| Warehouse | | | | City / Zip / State Forest Grove 97116 OR US | | |
| | | | | Warehouse YS Yew Street 2238 Yew Street Forest Grove 97116 OR US | | |
| No Of Units & Container Type | HM | Basic Description | Total Quantity | Weight | Rate | Charges |
| 3268.80KG | | FD Cranberry Conv Slices | 3268.8000KG | 0 | 0 | 0 |
| PLACARDS TENDERED: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | |
| 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 | | | I hereby declared that the content of this consignment are fully | | Remit COD To Address | |
| essentially stated by the shipper to be not exceeding | | | accurately defined | | | |

21 HowTo's Video access of KB portal through CTRL+F2 key.

Users can now instantly access the Knowledge Base (KB) Portal by pressing the CTRL + F2 keyboard shortcut from BME B1 screens. This enhancement streamlines access to how-to videos and troubleshooting articles without needing to navigate away from your current task.



In the near future, as new videos are uploaded to the KB Portal, you will also have access to those resources.

22 ESignature & Lisam Process Mfg Default Configuration

Previously, the E-Signature and Lisam add-ons required separate setup executions outside the Core application. With this new enhancement, both add-ons can now be configured directly within the Core application, streamlining deployment and improving setup efficiency.

- A unified setup process has been introduced in the Core application.
- No need for individual installations of E-Signature and Lisam.
- Users can now:
 - Assign licenses
 - Trigger database upgrades all from within the Core application interface.

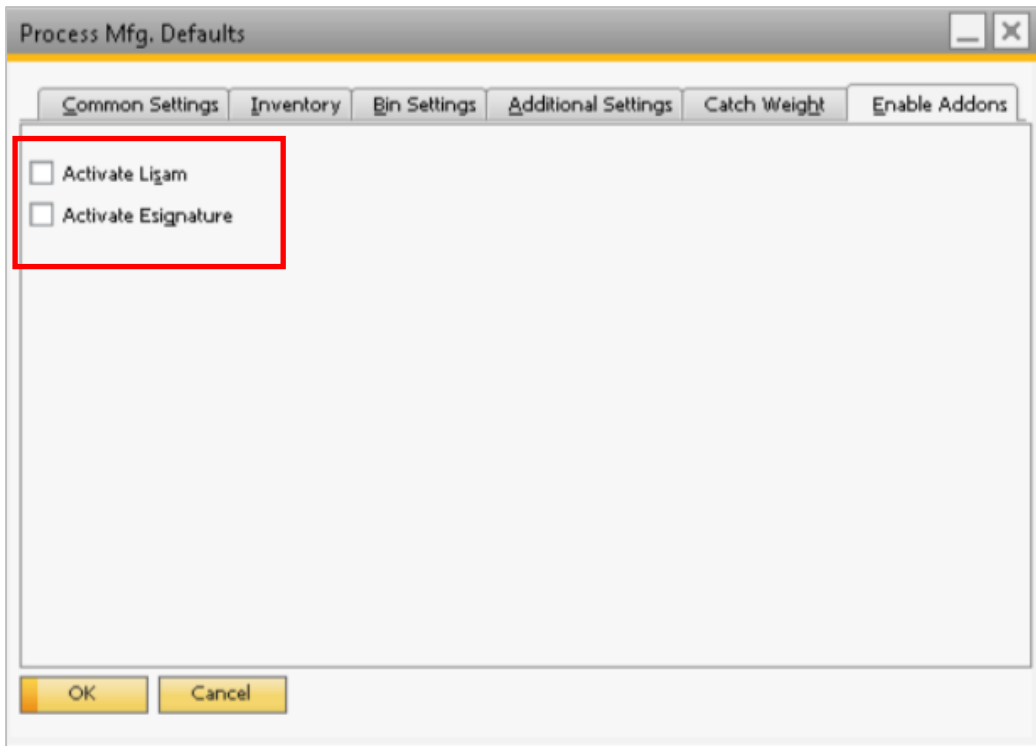
22.1 Process Manufacturing Defaults

A new tab named "Enable Add-ons" has been added to the *Process Manufacturing Defaults* screen.

22.1.1 Tab Features

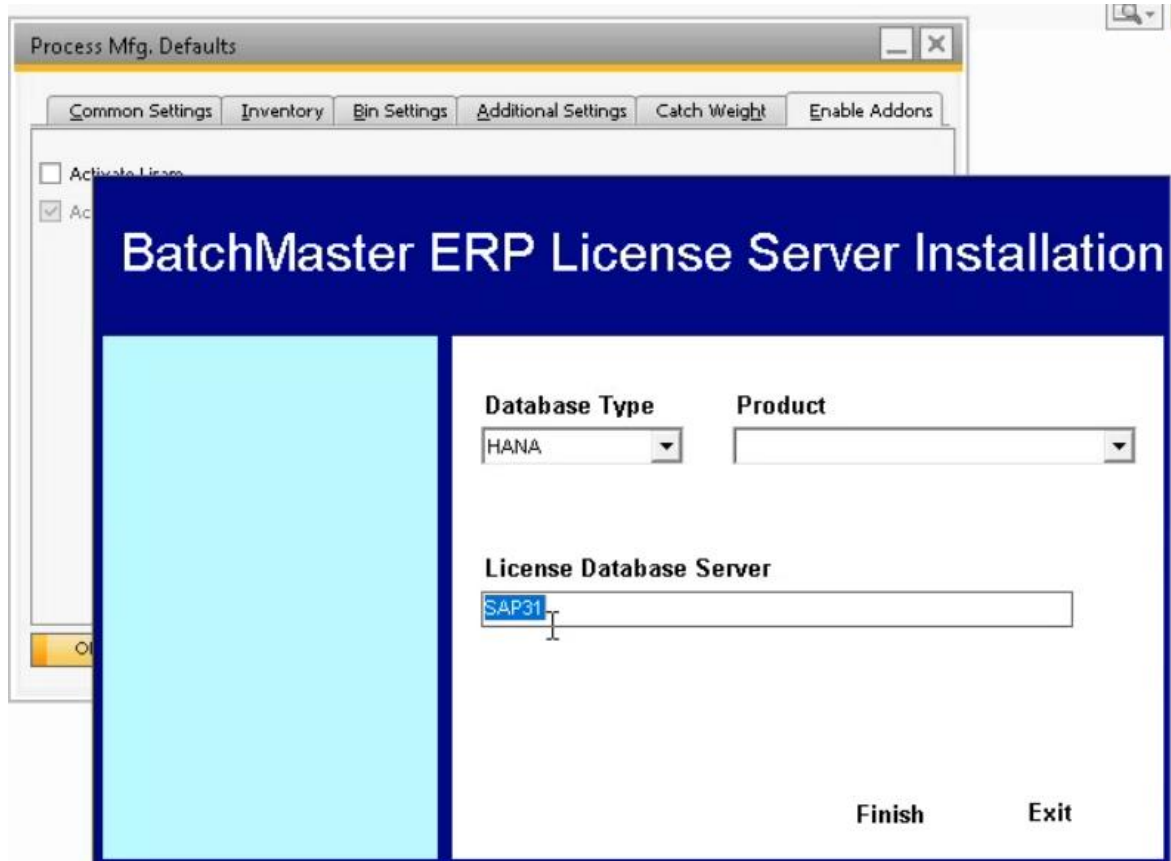
Two checkboxes:

- Activate Lisam
- Activate E-Signature



22.2 Configuration Steps

1. Navigate to Process Manufacturing Defaults > Enable Add-ons tab.
2. Select the checkbox for Activate Lisam or Activate E-Signature.
3. Click Update.
4. The system will prompt for the *License Configuration* screen.

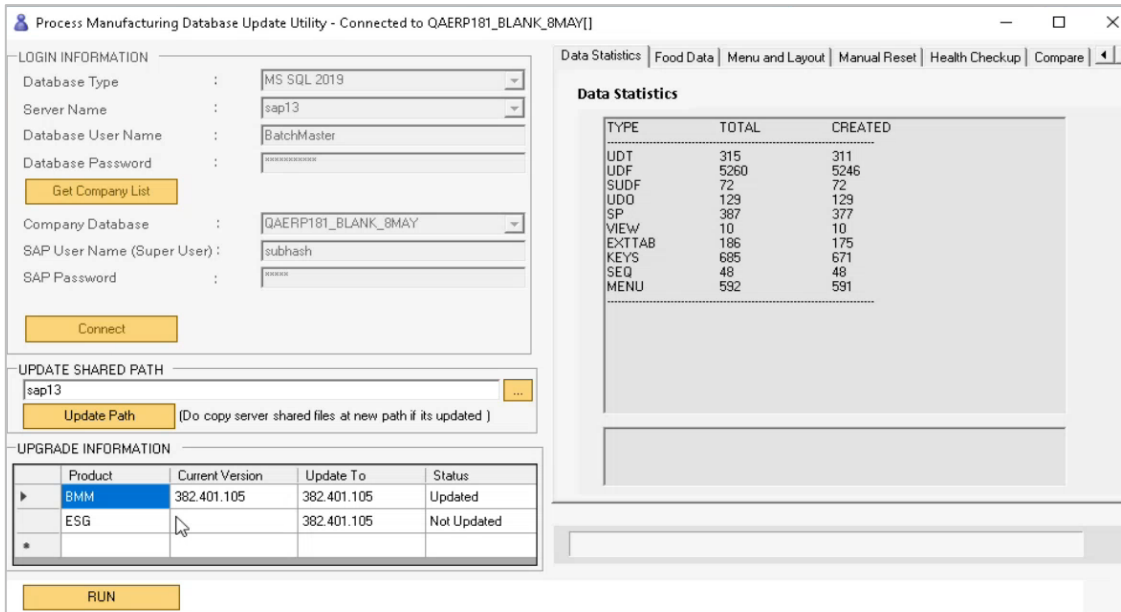


5. Import the respective license file.

22.3 Post-License Actions

After importing the license:

- The user must log out and re-login to SAP.
- Upon re-login, the system will automatically launch the DB Upgrade utility to complete the required database updates.



- Once E-Signature or Lisam is activated, the configuration is permanent.
- These are one-time setup options and cannot be disabled after activation.
- This ensures consistency and stability throughout the system lifecycle.

