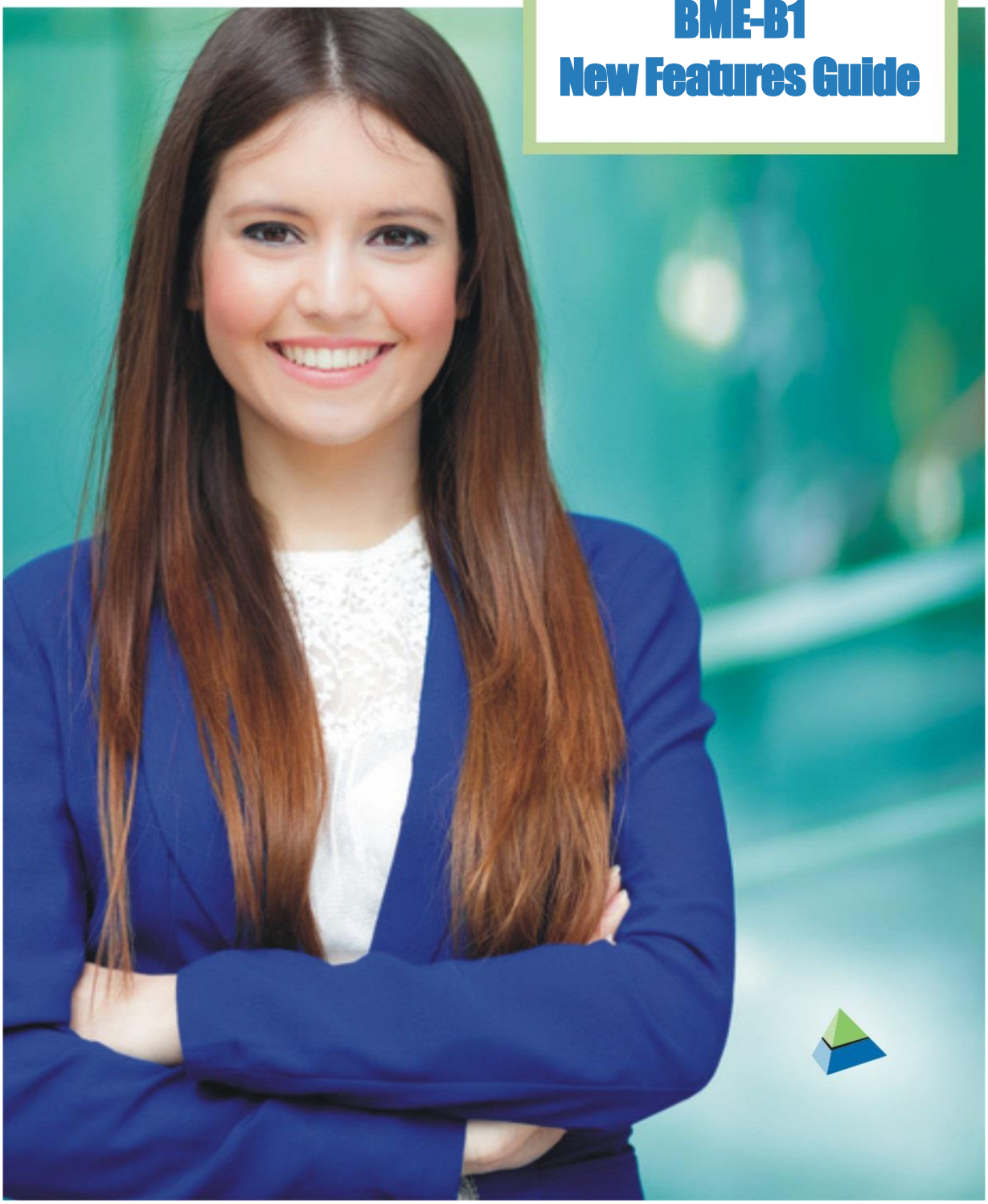
BATCHMASTER® ERP
18.2

BatchMaster ERP with SAP Business One
BatchMaster Solutions for
Process Manufacturers

BME-B1
New Features Guide



Copyright and Legal Information

Symbols & Conventions

Symbol	Description
	Note
	Mandatory setting
	Tips

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

Contents

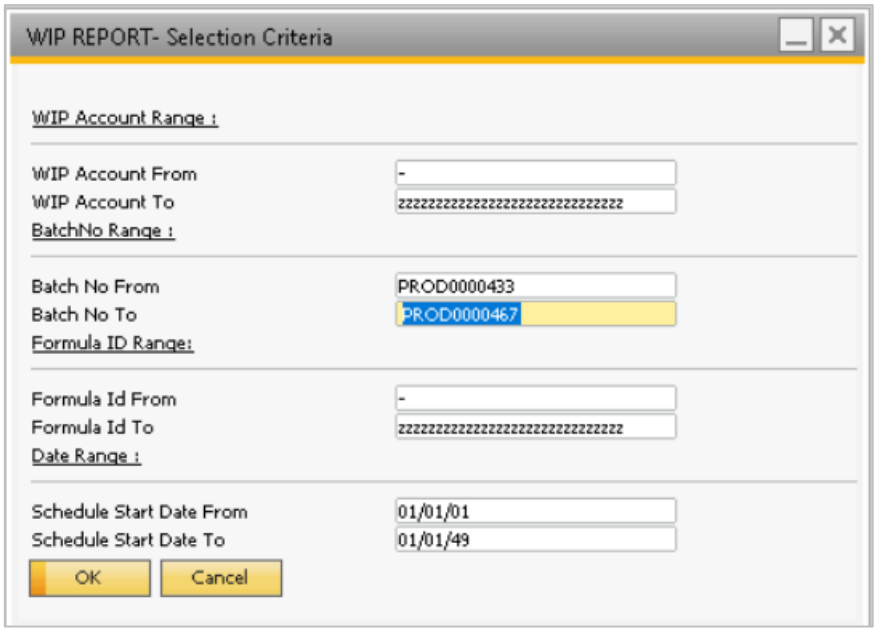
OVERVIEW

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.

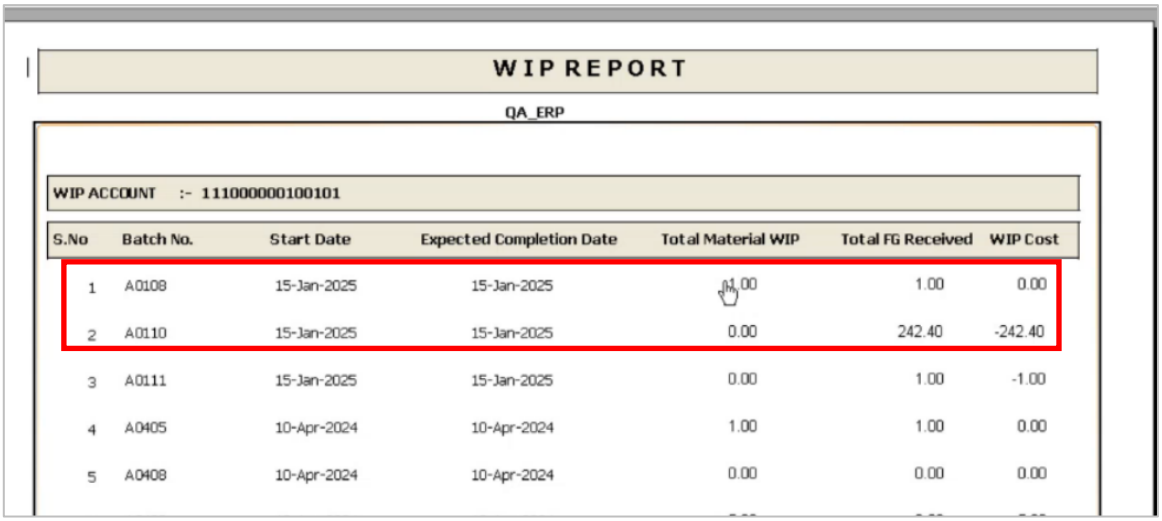
1 WIP Report with Detailed Cost Analysis

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.



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.

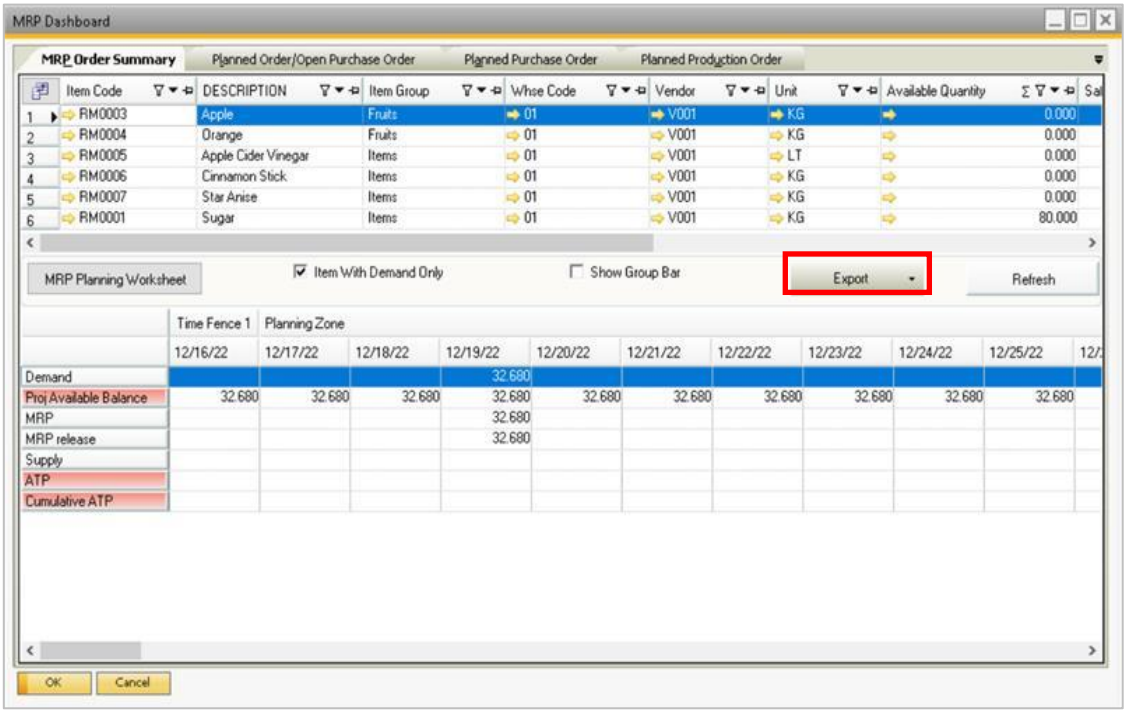
2 Exporting Filtered Data to Excel/PDF

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.

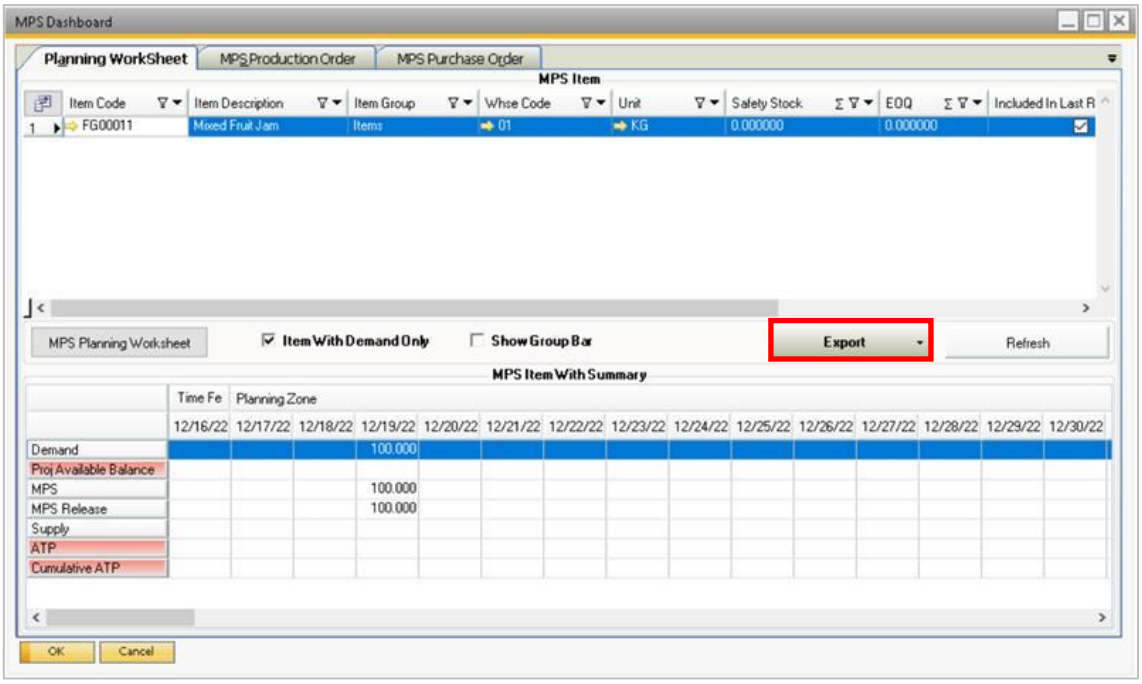


On clicking the above dropdown option, the system displays two dropdown options:

- 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

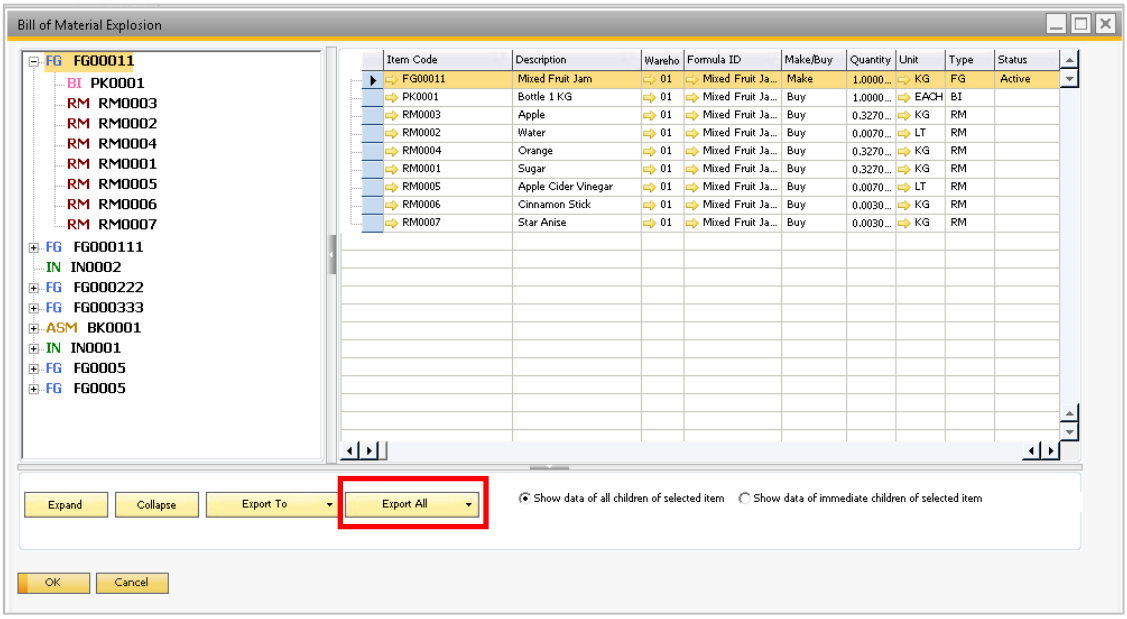
Say, for example, if you need to share the MRP planning data with your organization's production team. On the MRP Dashboard, you can:

- 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

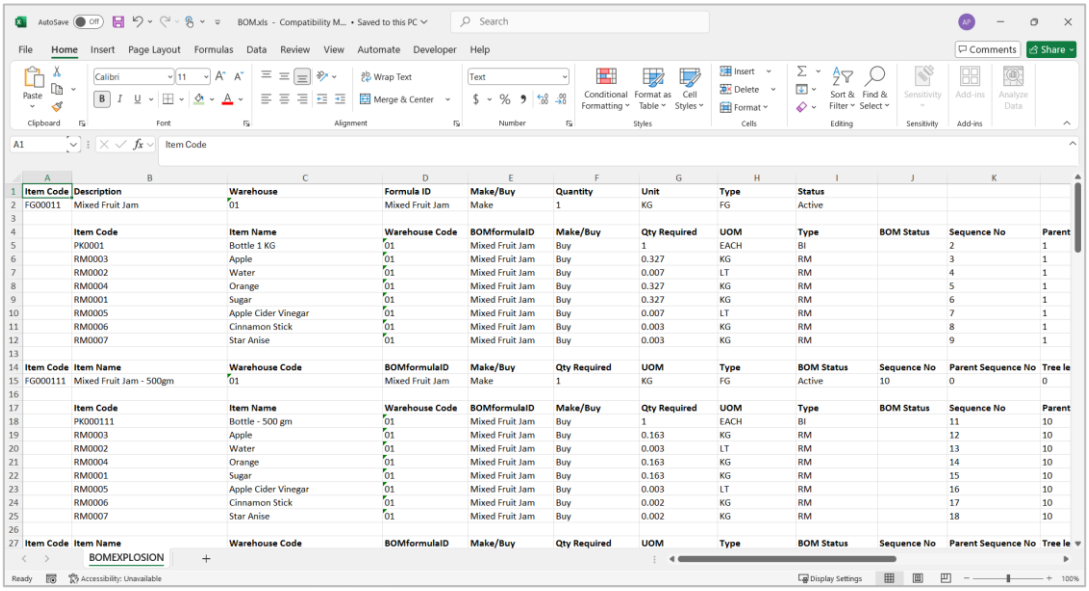
An enhancement in the ***BOM Explosion*** functionality, enable users to export data to Excel or PDF with all hierarchical levels.

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.



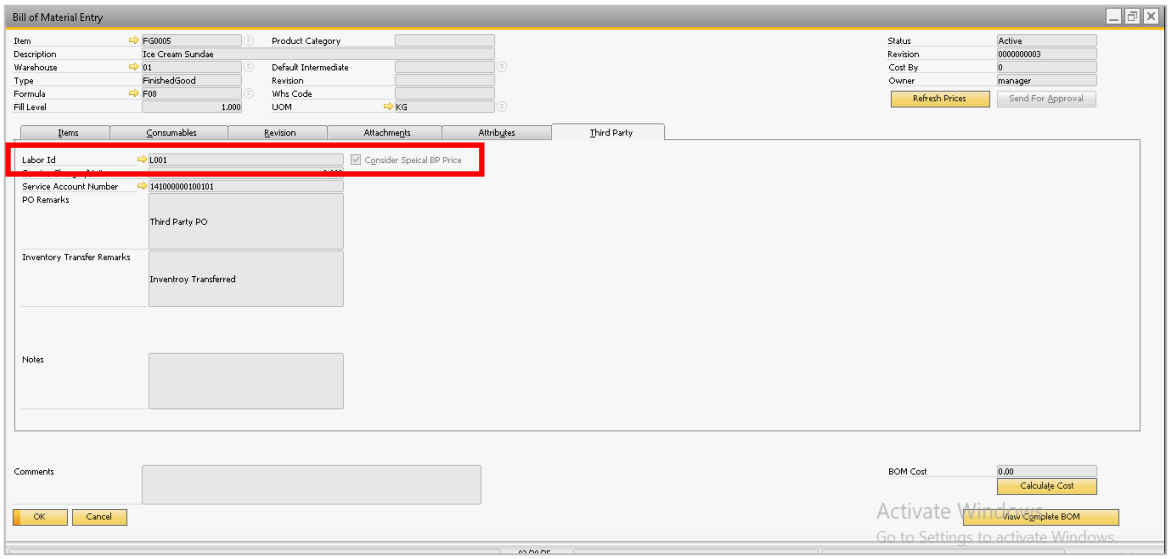
3 Enhanced Third-Party Service Charge Integration in Finished Goods

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.

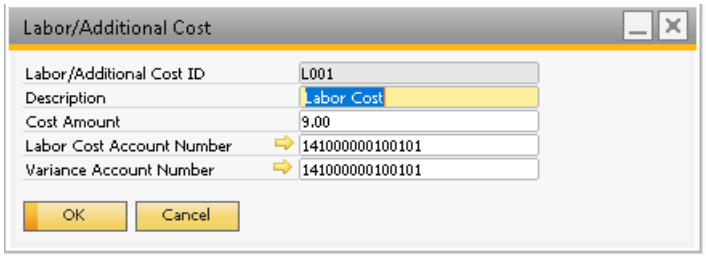
The Special Prices for BP section enable users to map vendors with finished goods (FG), while the Period Discounts pop-up allows defining service charges for a specific date range. Additionally, the Volume Discount configuration lets users set quantity-based service charges using the Special Price field (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



- **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*.



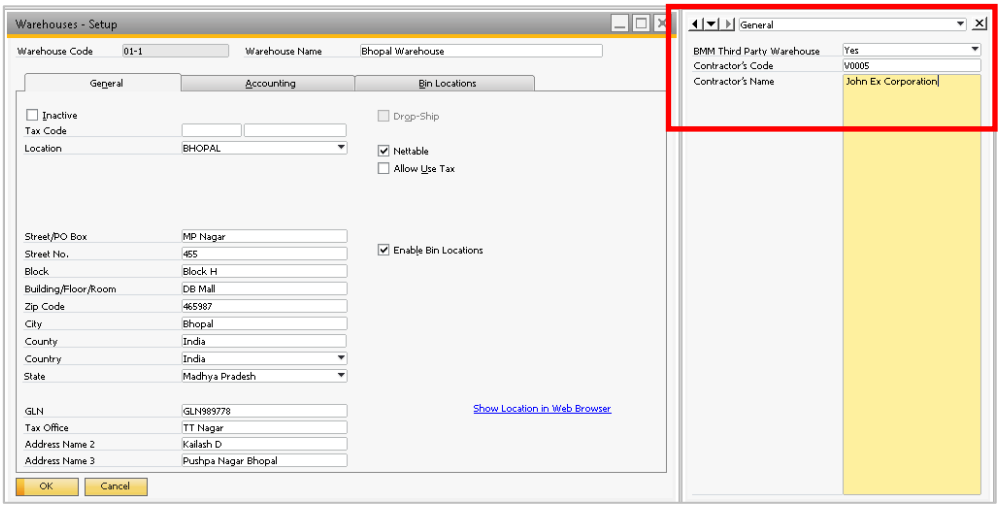
- The Labor ID you specify on the *Bill of Material Entry* screen gets added on *Batch Ticket* screen at the *Formula* tab. When a batch is created for an item with a third party BOM (configured Labor ID), a non-editable labor line is automatically added to *Batch Ticket* Screen. This ensures the labor 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

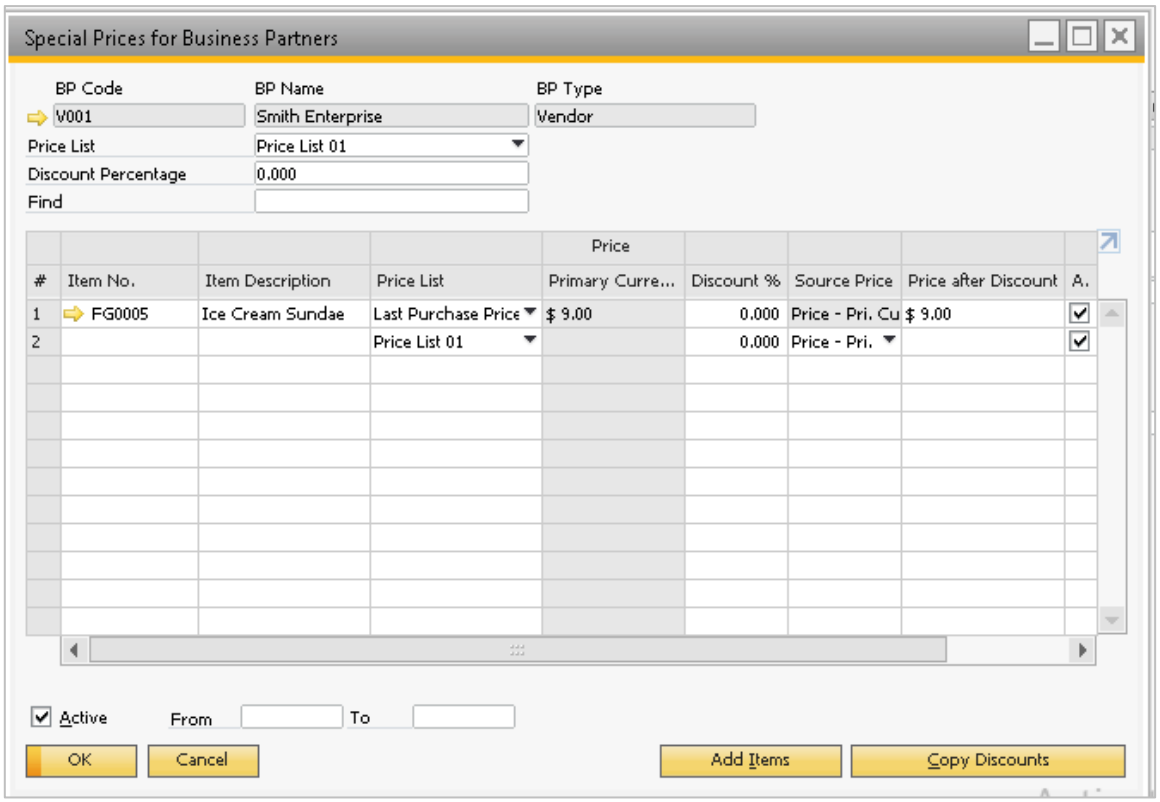
3.2.1 Warehouse – Setup

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



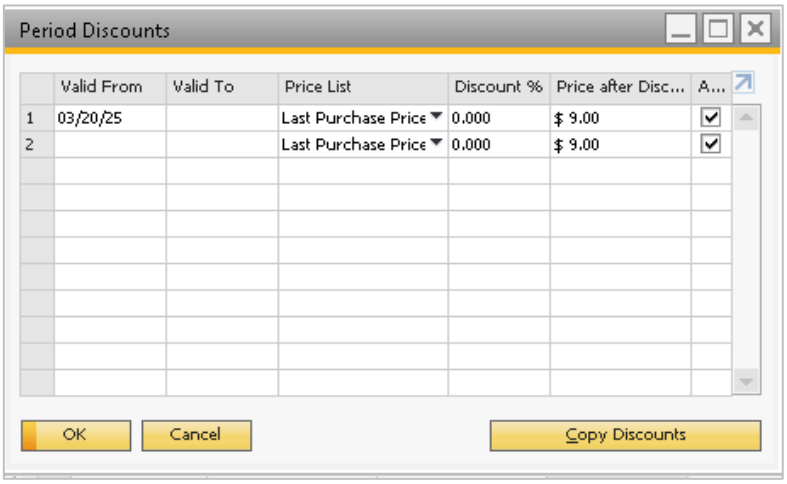
3.2.2 Special Prices for Business Partner

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



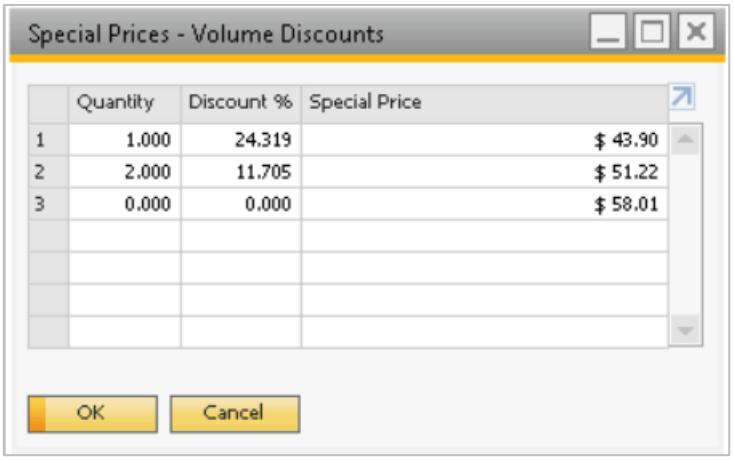
3.2.3 Period Discounts

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**

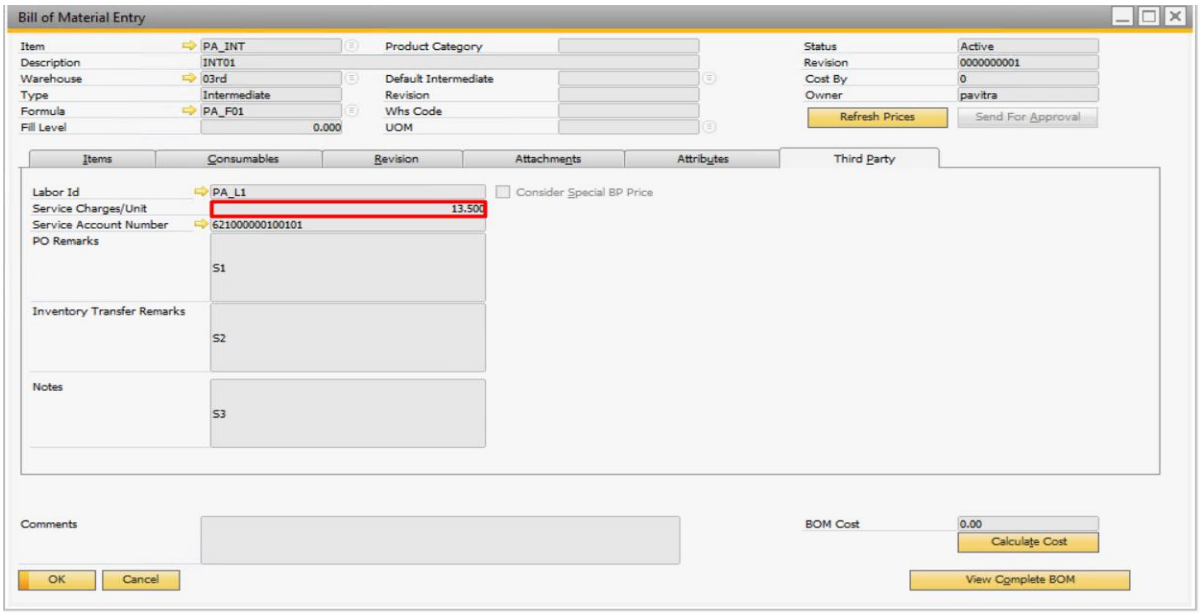
   - To apply service charges based on quantity slabs, first, enter a single line in the *Period Discount* screen with a long validity period (e.g., Valid To: 31.12.2099).
   - Double-click on the entry to open the *Volume Discount* screen.
   - Define service charges based on quantity slabs.
   - The system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

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

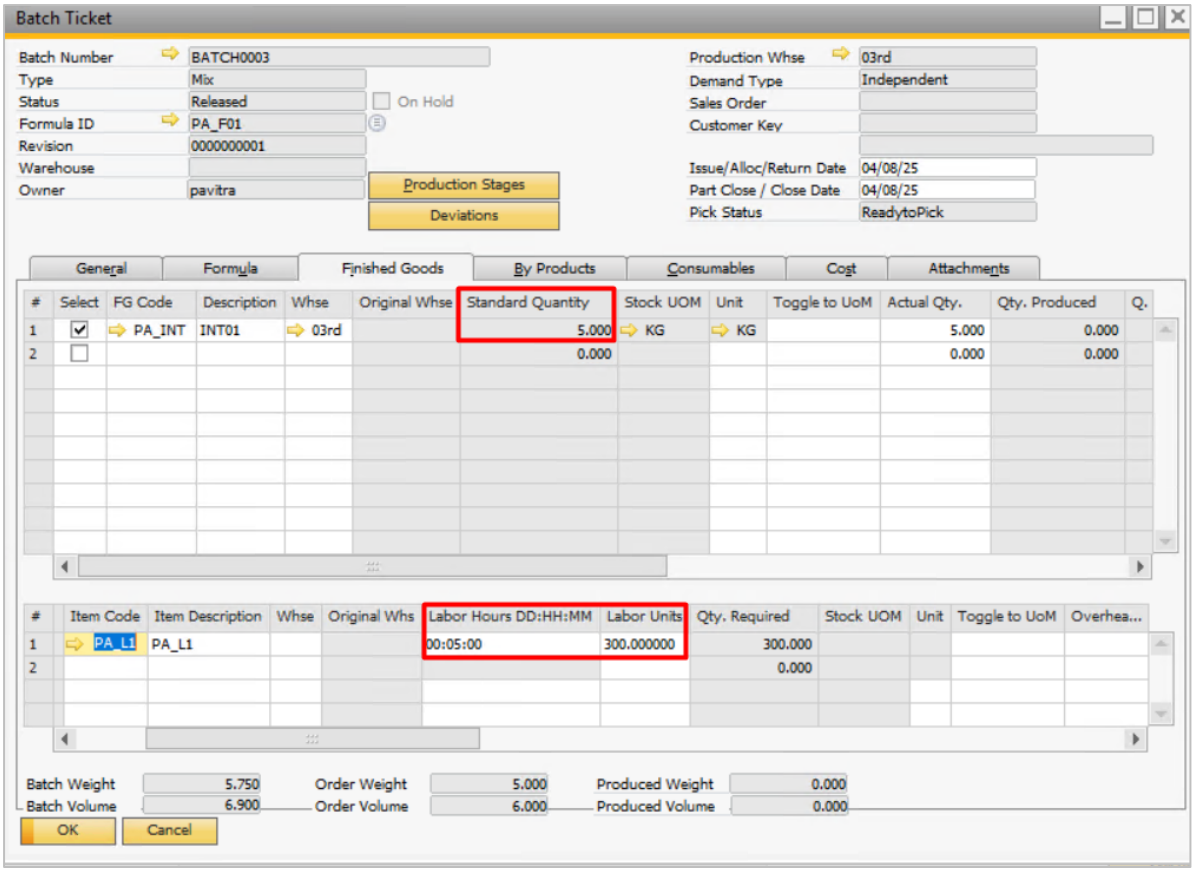
   - If both date-wise and quantity-wise service charges are needed, define the service charge in both the *Period Discount* and *Volume Discount* screens.
   - Ensure that quantity slabs are correctly mapped to the respective period slabs.
   - The system will apply the quantity-based service charge only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

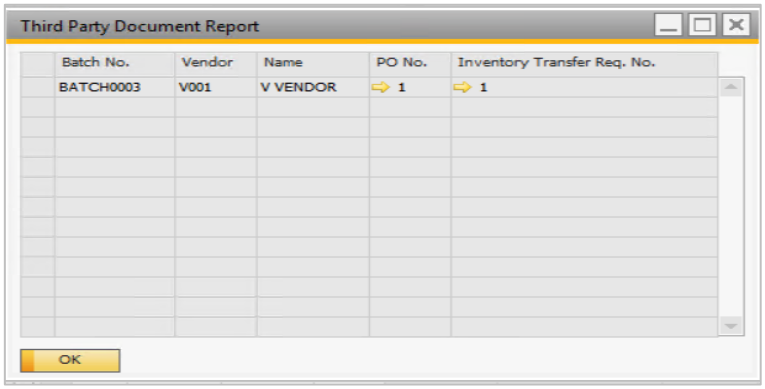
1. Bill of Material Entry: The process begins with defining what needs to be manufactured. The "Bill of Material Entry" screen for item "INT01" outlines the necessary raw materials and, importantly, specifies the third-party processing cost (**Labor Cost: 13.5 $**) associated with purchase order "621000000100101." This cost is factored into the final BOM calculation for potential outsourcing.



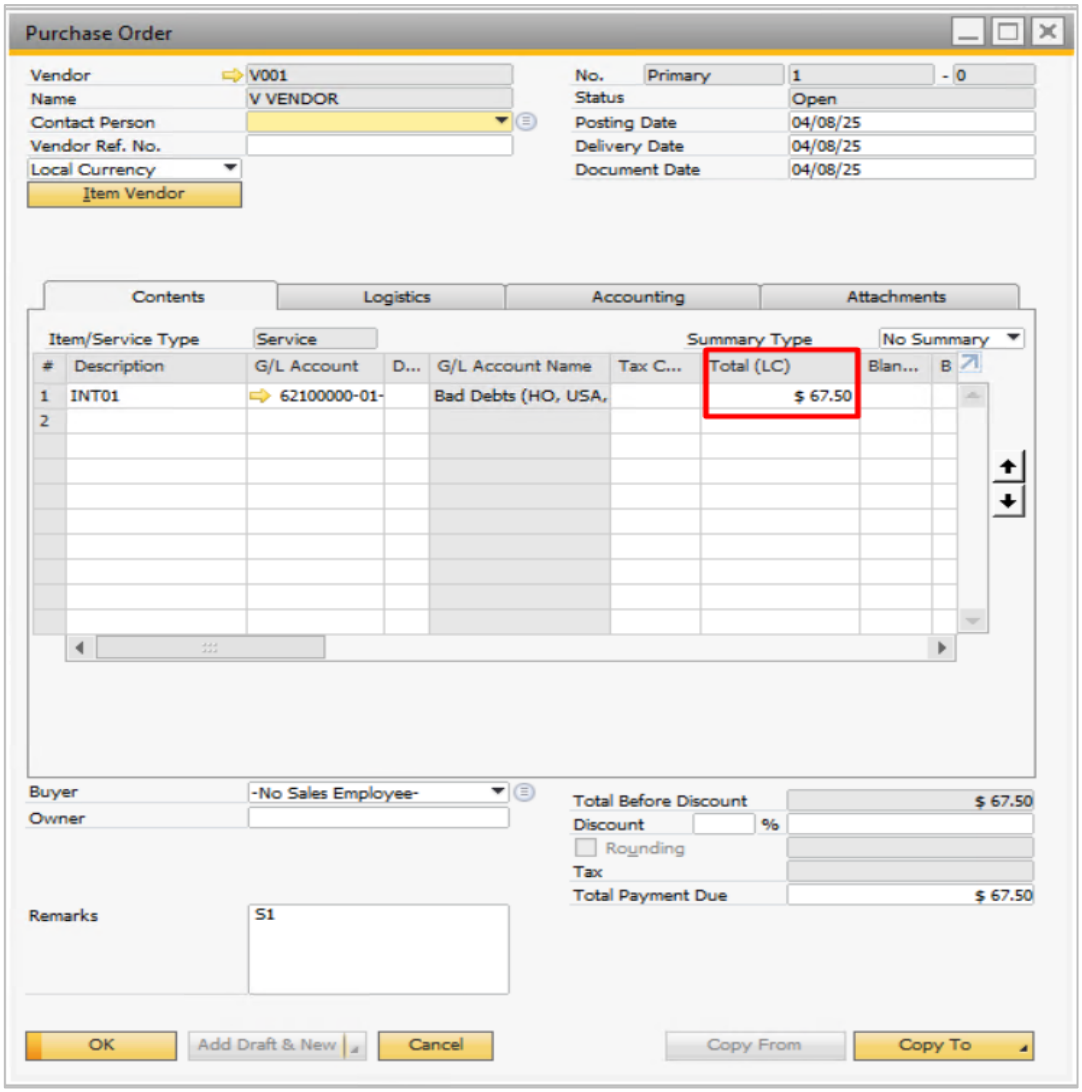
2. A production batch is created, as seen in the "Batch Ticket" screen for batch "BATCH0003" of item "PA_INT INT01." This stage details the **Standard Qty as 5 and Labor Hours as 5**, the planned labor ("PA_L1") and its estimated units and duration, and the intended warehouse ("03rd"). The batch is released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



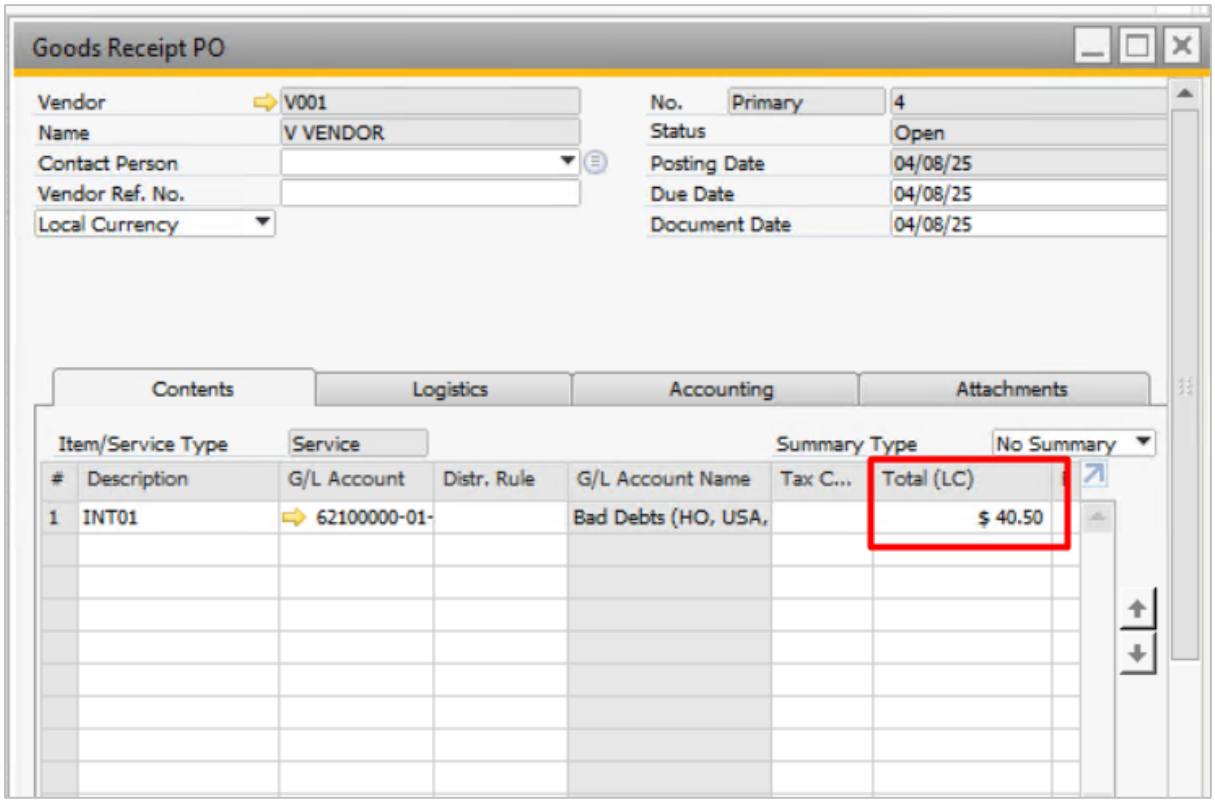
3. From the context menu, choose the Third Party Document Report option. The system will list the generated Service Purchase Order and Inventory Transfer Request for the third-party service.



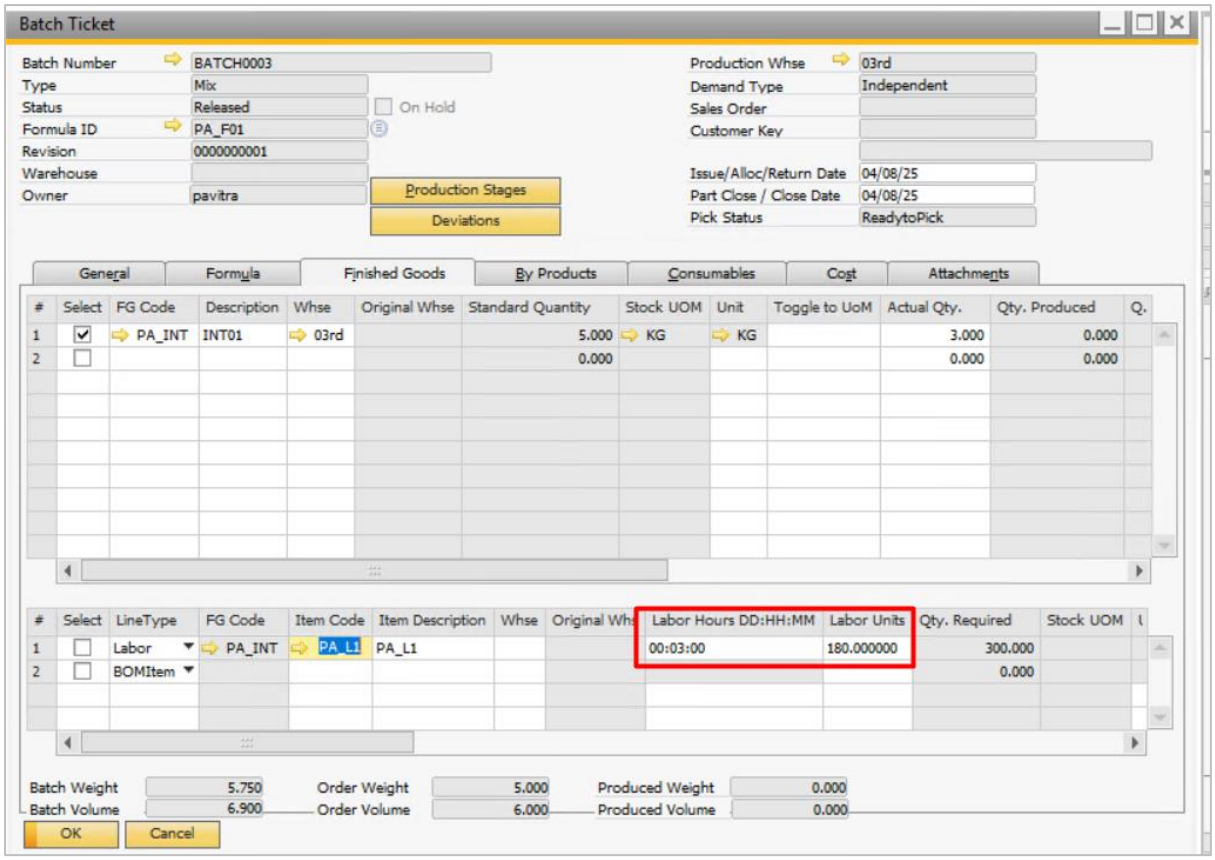
4. Below is Service PO screen created automatically at Batch release, that procure the manufacturing services for item "INT01" from the chosen third-party vendor, "V VENDOR" (PO No. 1). This Service PO, dated 04/08/25 and currently open, specifies the total cost of the outsourced service (**FG Standard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



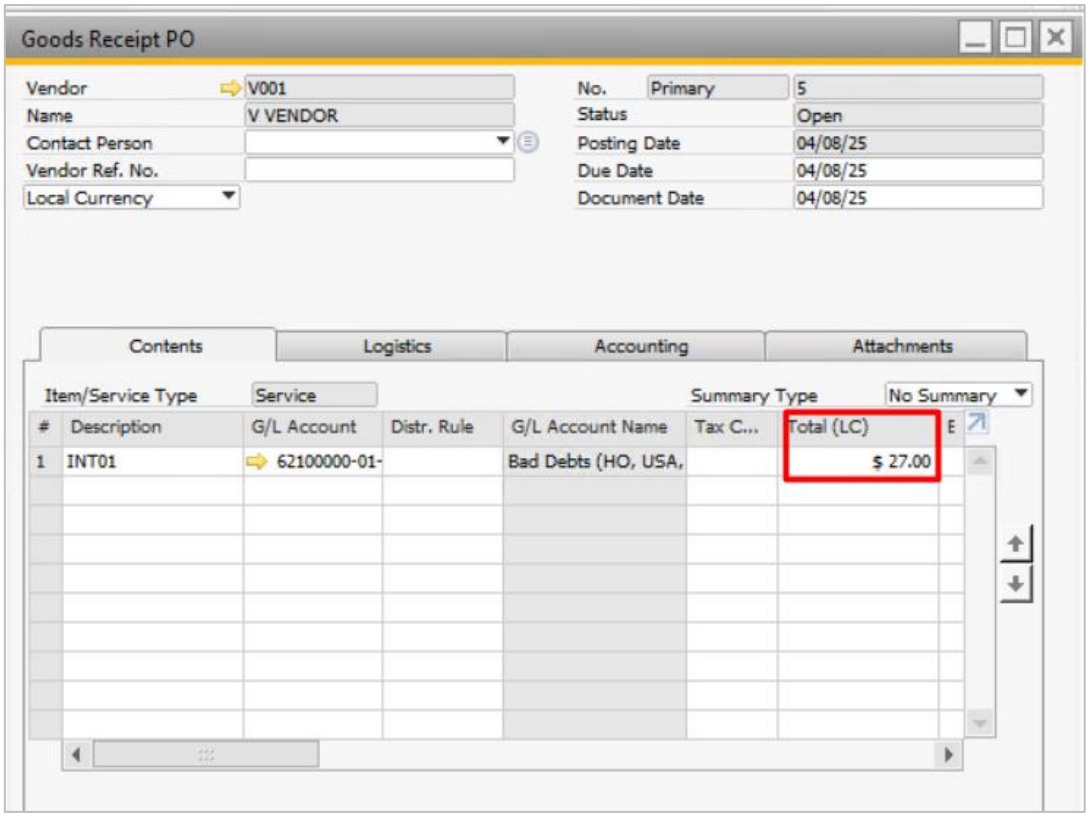
5. Receive the Outsourced Service (Goods Receipt PO): As the third-party completes their work, "Goods Receipt PO" screens (PO Nos. 4 posted on 04/08/25) confirm the receipt of 3 quantities (**First partial GRPO for 3 FG qty received 3 * 13.5 = 40.50 $**), manufacturing services from "V VENDOR" for item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



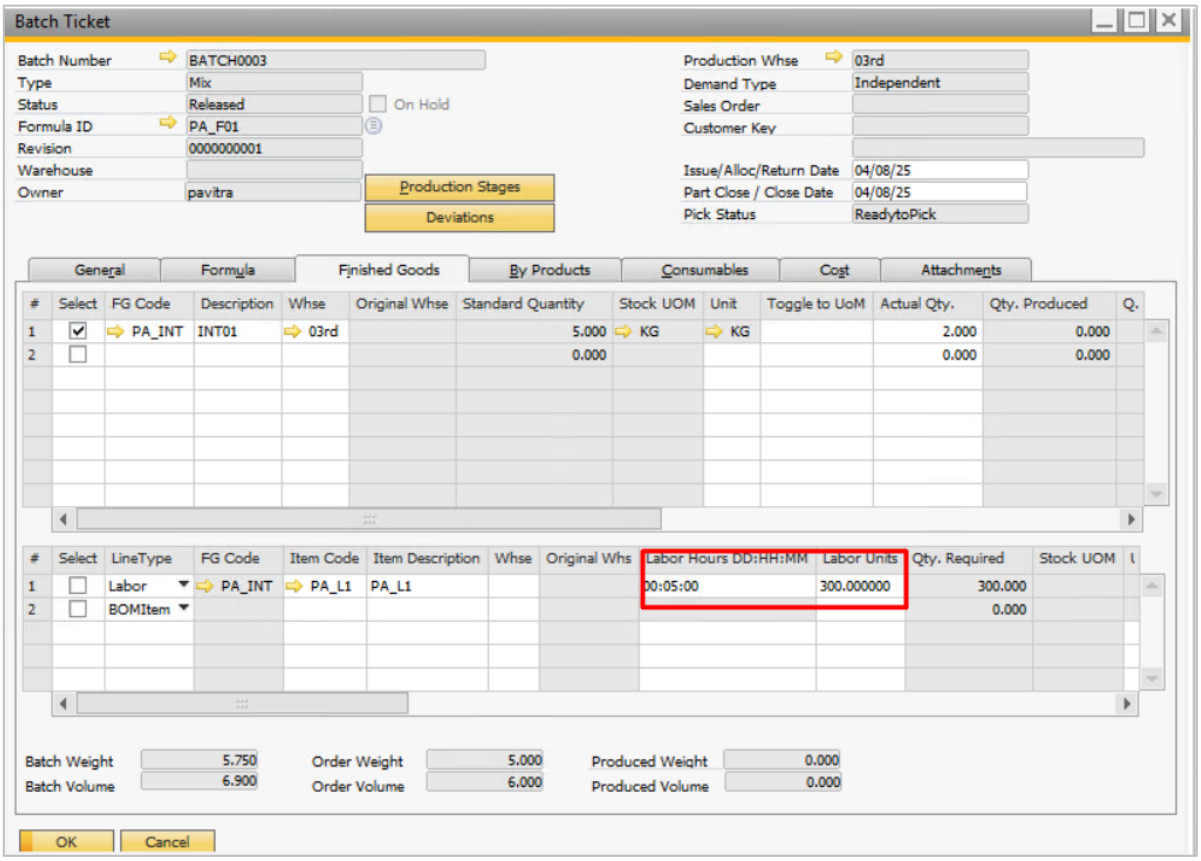
6. Update Planned Labor in Batch (Updated Batch Ticket): The "Batch Ticket" for batch "BATCH0003" is updated to reflect the planned labor of "PA_L1" requiring **180 labor units** over an estimated **3 hours**. This refined labor plan contributes to the batch weight and order weight calculations, with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



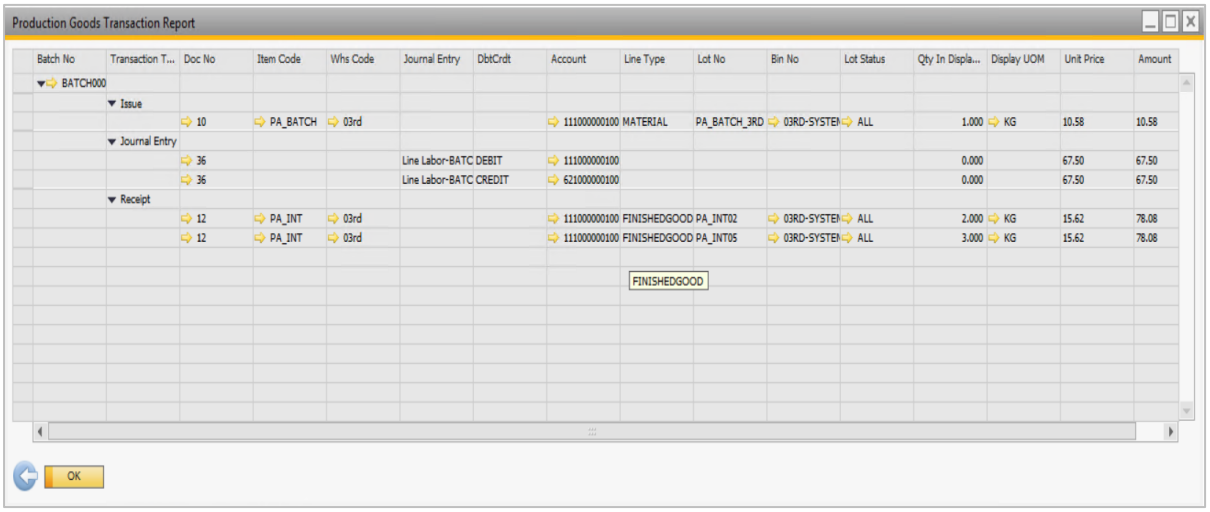
7. Receive the remaining Outsourced Service (Goods Receipt PO): Goods Receipt PO screen (PO Nos. 5 posted on 04/08/25) confirm the receipt of 2 quantities (**Second partial GRPO for 2 FG qty received 2 * 13.5 = 27 $**), manufacturing services from "V VENDOR" for item "INT01." These documents record the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



8. 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**.



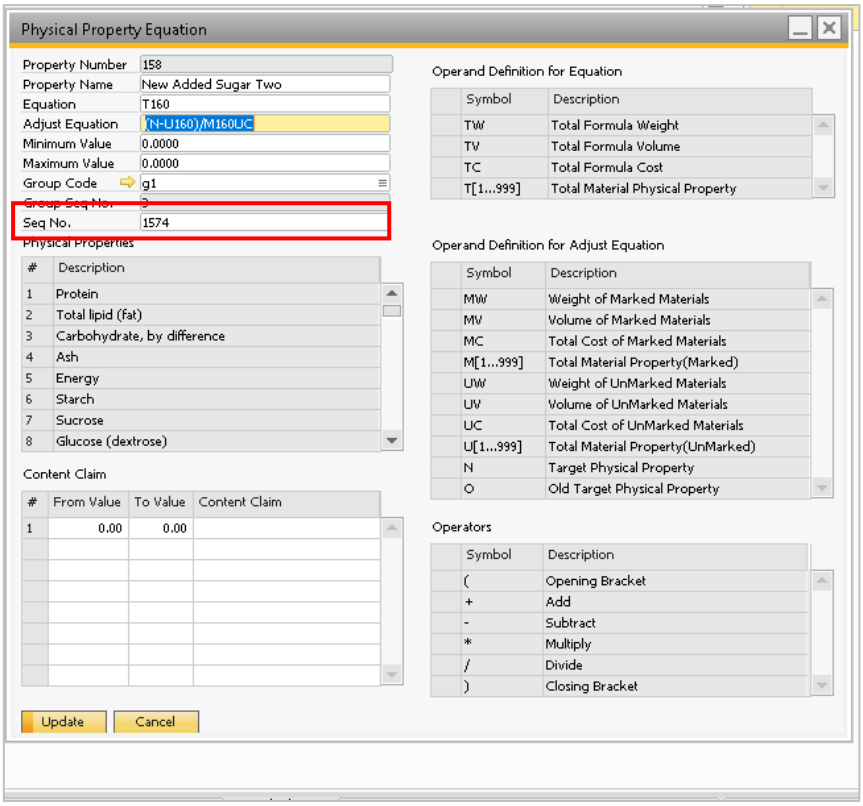
9. Finally full close the production batch. From the context menu, open the Production Goods Transaction Report for batch. The report will list down **labor line with 67.5 $** for service charge which will show effect in **finished goods received with 2 & 3 qty at part close**.



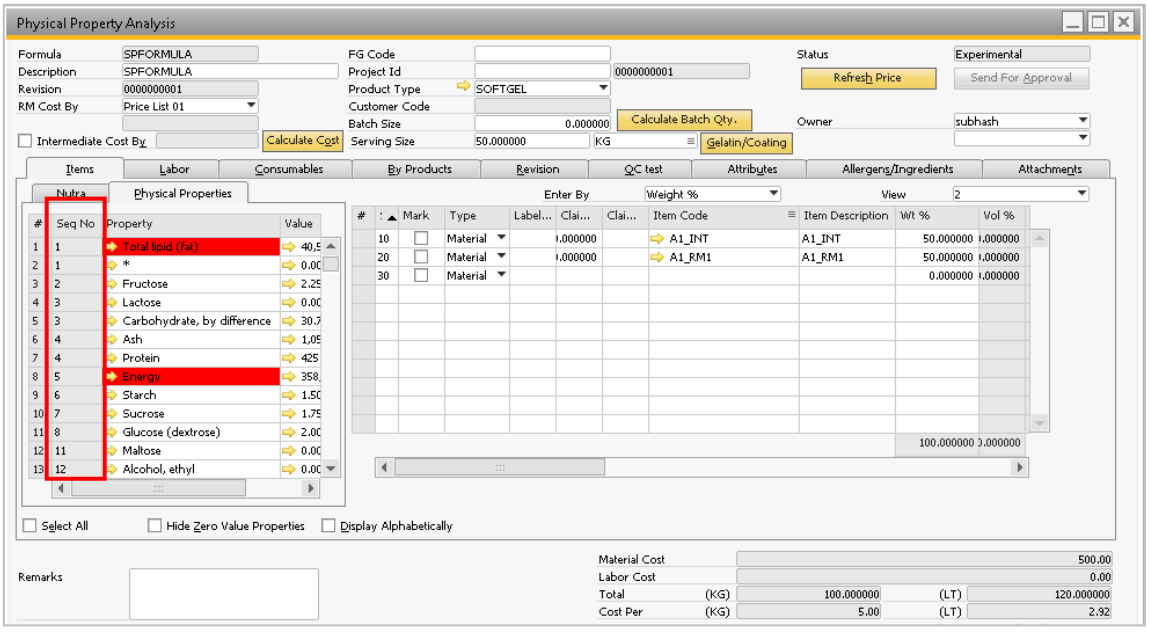
4 Re-sequencing Properties at the Physical Property Analysis Screen

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.

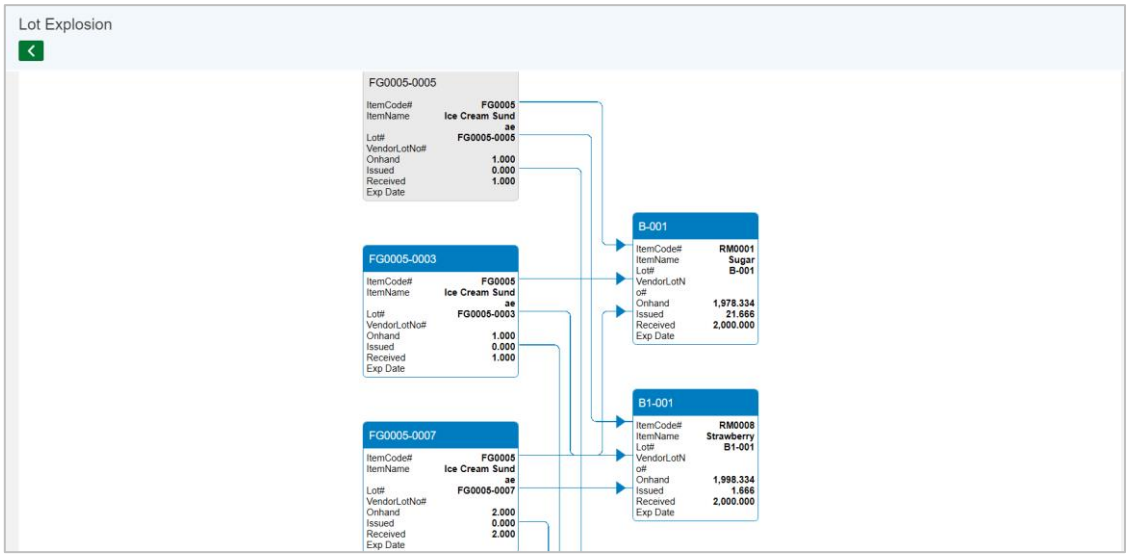
- The *Seq No* field on the *Physical Property Analysis* screen is non-editable and you can only view the sequence of the properties on the *Physical Property Analysis* screen.
- You can change the sequence number of any physical property record on the *Physical Property Equation* screen.
- The system 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:

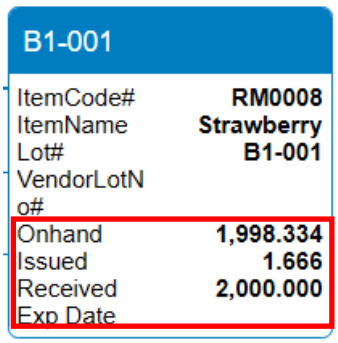
- **Enhanced Accuracy**: Removal of warehouse and bin transfer tracing ensures accurate quantity representation by removing the discrepancy occurred from warehouse transfers.
- **Improved Data Visibility**: The display of *Issued* and *Received* item's lot quantities provides accurate data of the lot 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.



This is now compatible with SAP B1 10.0 FP 2502.

5.1 Enhanced Lot Explosion Display

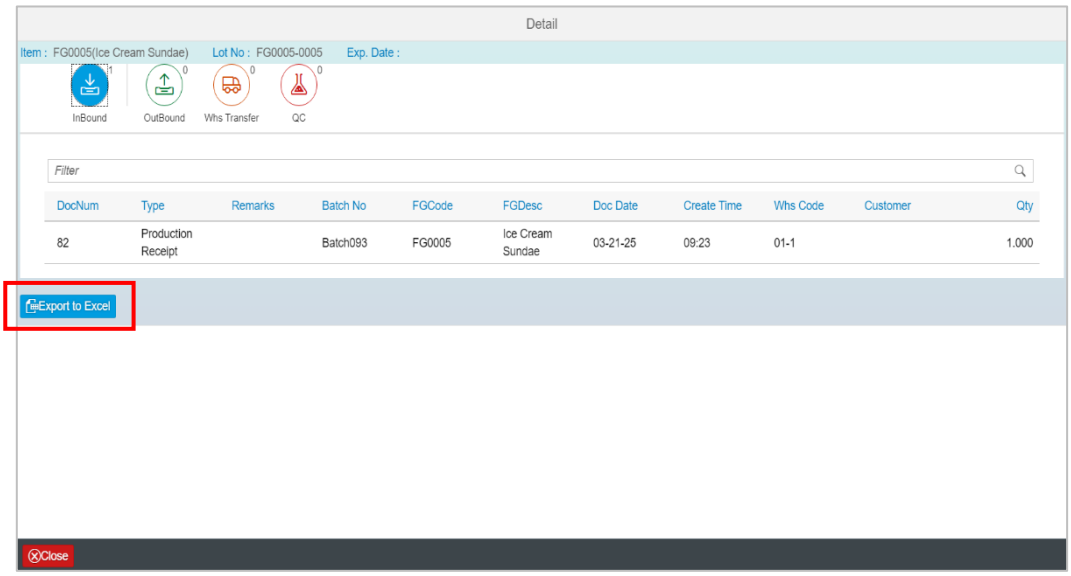
- **Issue and Received Fields**: The Lot Explosion now displays *Issued* and *Received* lot quantities with the *Onhand* values. By adding these fields on the lot traceability widget provide an informative view of lot movement.



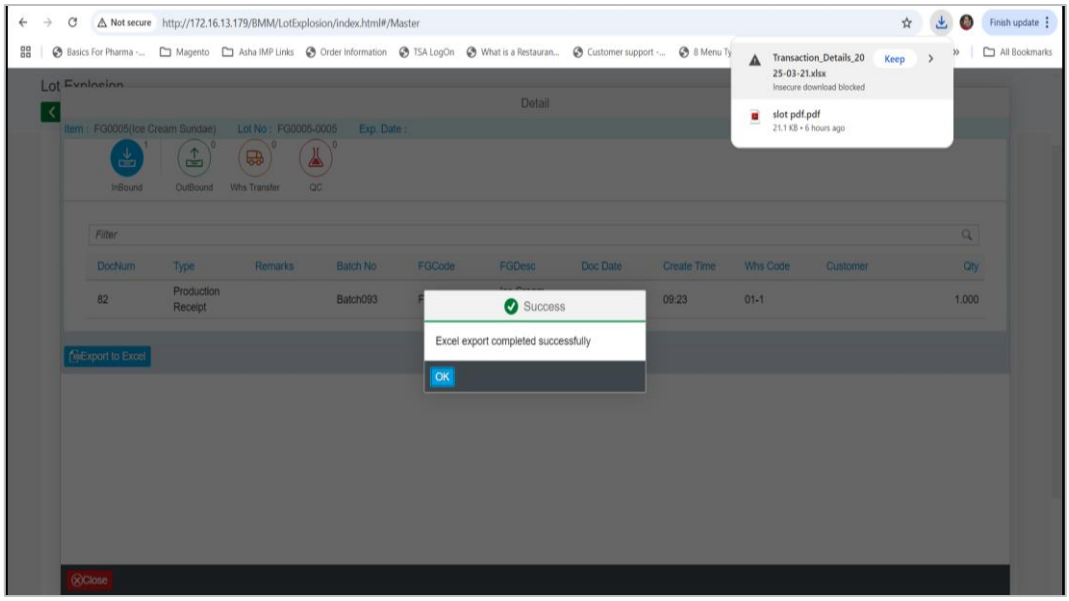
- **Removal of Bin and Warehouse Transfer**: To eliminate the discrepancies for the issued and received item's lot quantities caused by warehouse transfers, the tracing of bin and warehouse transfers is now removed. This ensures accurate quantity representation.

5.2 Improved Data Export Capabilities

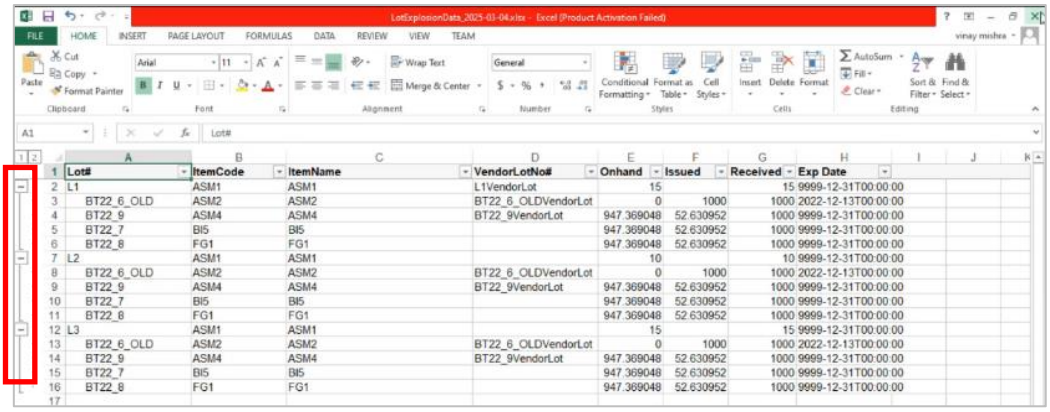
- **Show Grid Export to Excel**: A new *Export to Excel* button is added below the grid for exporting lot information in an Excel Sheet for further analysis.



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

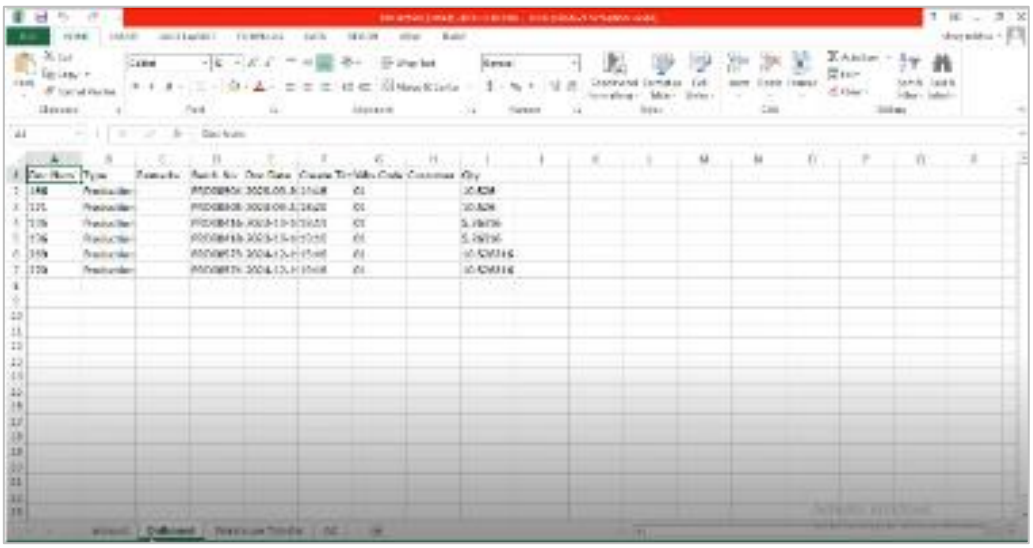


  - The exported excel sheet contain various *Expand* (+) and *Collapse* (-) options to view the lot details.

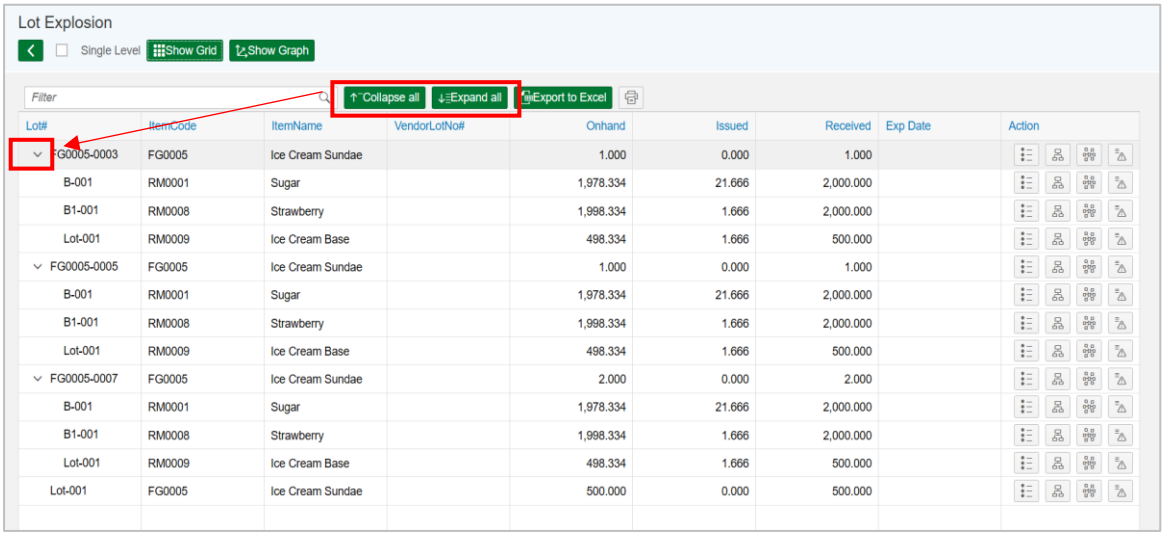


Lot#	ItemCode	ItemName	VendorLotNo#	Onhand	Issued	Received	Exp Date
L1	ASM1	ASM1	L1VendorLot	15		15	9999-12-31T00:00:00
BT22_6_OLD	ASM2	ASM2	BT22_6_OLDVendorLot	0	1000	1000	2022-12-13T00:00:00
BT22_9	ASM4	ASM4	BT22_9VendorLot	947.369048	52.630952	1000	9999-12-31T00:00:00
BT22_7	BI5	BI5		947.369048	52.630952	1000	9999-12-31T00:00:00
BT22_8	FG1	FG1		947.369048	52.630952	1000	9999-12-31T00:00:00
L2	ASM1	ASM1		10		10	9999-12-31T00:00:00
BT22_6_OLD	ASM2	ASM2	BT22_6_OLDVendorLot	0	1000	1000	2022-12-13T00:00:00
BT22_9	ASM4	ASM4	BT22_9VendorLot	947.369048	52.630952	1000	9999-12-31T00:00:00
BT22_7	BI5	BI5		947.369048	52.630952	1000	9999-12-31T00:00:00
BT22_8	FG1	FG1		947.369048	52.630952	1000	9999-12-31T00:00:00
L3	ASM1	ASM1		15		15	9999-12-31T00:00:00
BT22_6_OLD	ASM2	ASM2	BT22_6_OLDVendorLot	0	1000	1000	2022-12-13T00:00:00
BT22_9	ASM4	ASM4	BT22_9VendorLot	947.369048	52.630952	1000	9999-12-31T00:00:00
BT22_7	BI5	BI5		947.369048	52.630952	1000	9999-12-31T00:00:00
BT22_8	FG1	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.

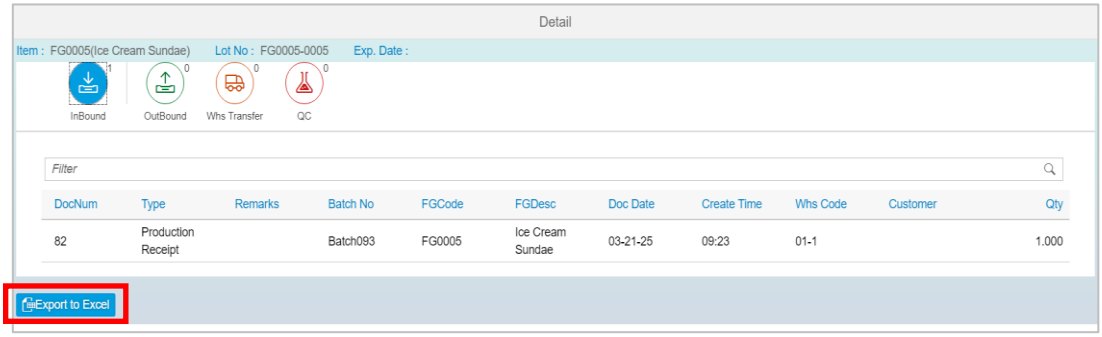


- **Collapse and Expand Grid**: The *Show Grid* view now includes the *Collapse all* and *Expand All* buttons for collapsing and expanding the displayed record details.



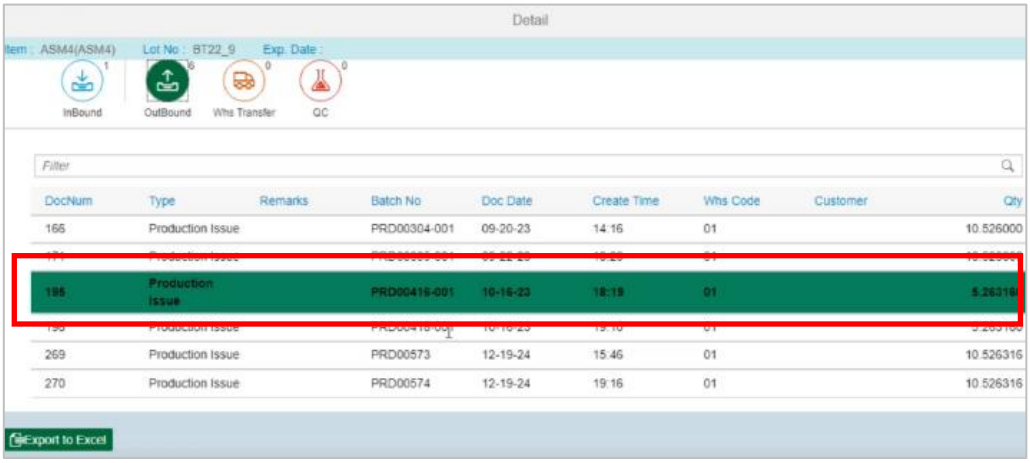
Lot#	ItemCode	ItemName	VendorLotNo#	Onhand	Issued	Received	Exp Date	Action
FG0005-0003	FG0005	Ice Cream Sundae		1.000	0.000	1.000		
B-001	RM0001	Sugar		1,978.334	21.666	2,000.000		
B1-001	RM0008	Strawberry		1,998.334	1.666	2,000.000		
Lot-001	RM0009	Ice Cream Base		498.334	1.666	500.000		
FG0005-0005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

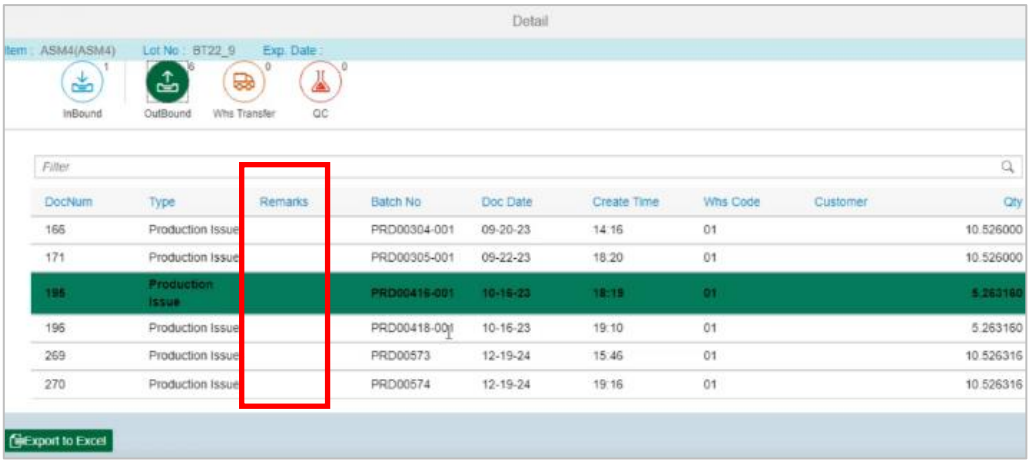


5.3 Enhanced Lot Details View

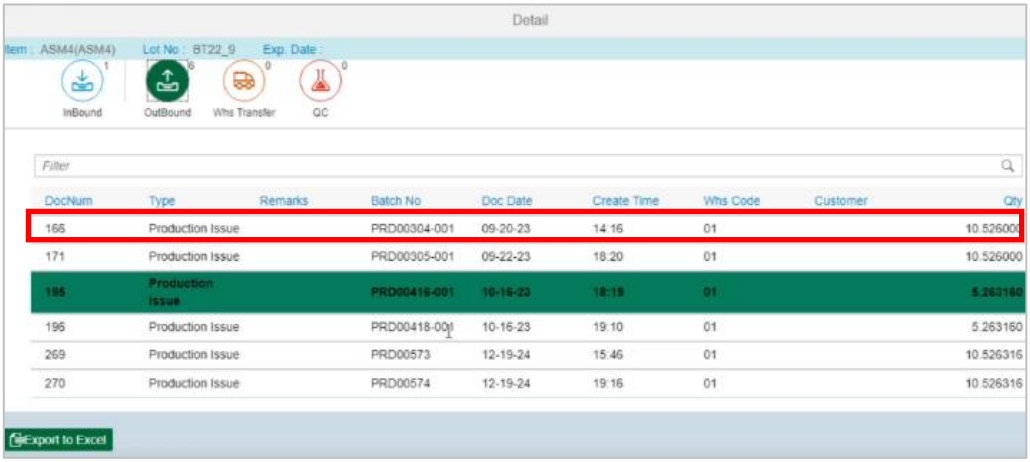
- **Highlighted Parent-Child Relationships**: When an intermediate lot is used in multiple Finished Goods (FGs), resulting in a large number of outbound lines, the parent-child relationship records are highlighted with a green color record. This makes it easier to understand the flow of materials to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



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



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

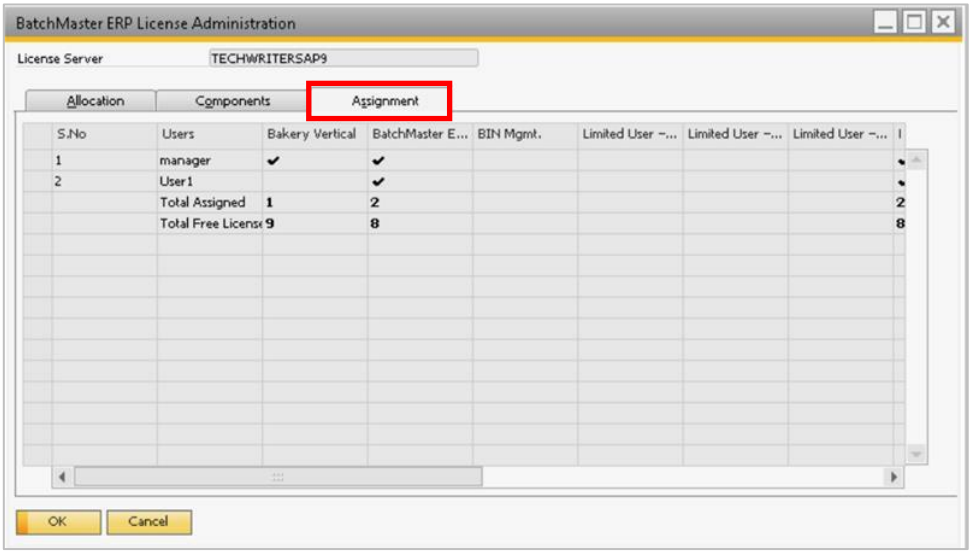


6 Enhanced License Administration with Assignment Tab and Maximize Functionality

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.



- **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 Specifc 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:

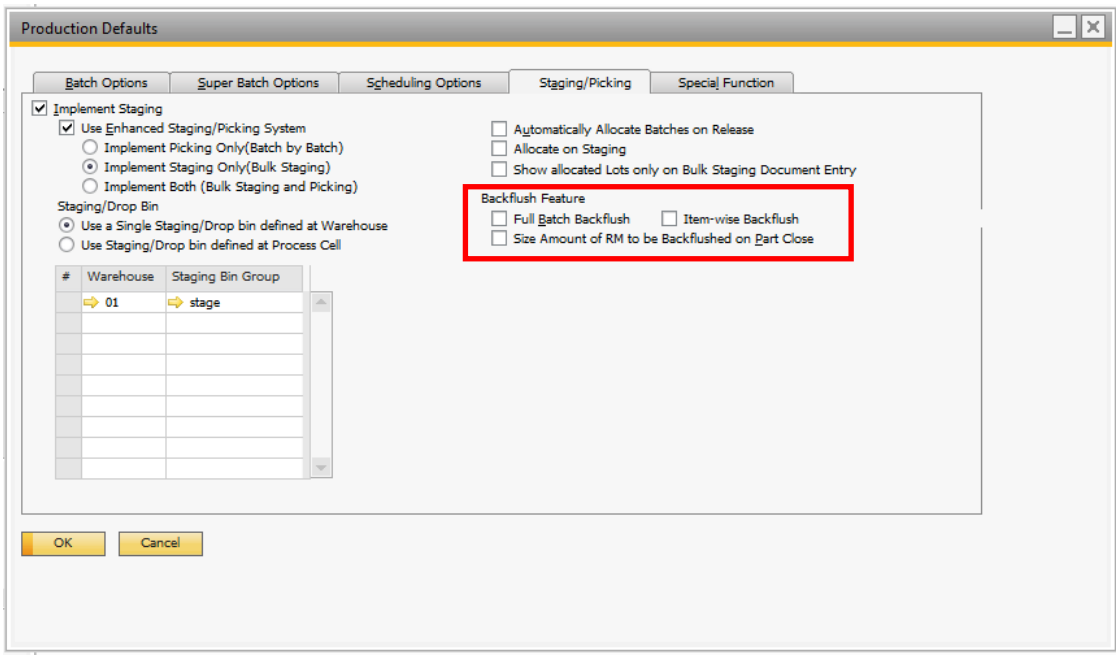
When the "Full Batch Backflush" checkbox is selected, the system will follow the existing functionality where all required raw materials are automatically backflushed at the time of production completion.

b. Item-wise Backflush Checkbox:

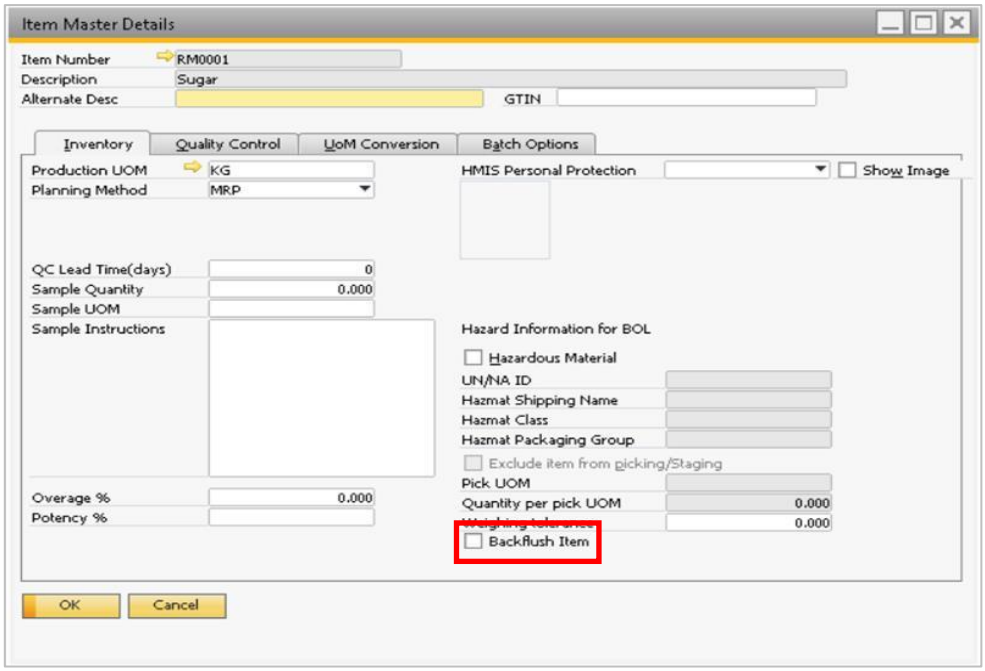
When the "Item Wise Backflush" checkbox is selected, the system will enable item-specific backflush functionality as per the predefined settings configured in the Item Master Details.

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

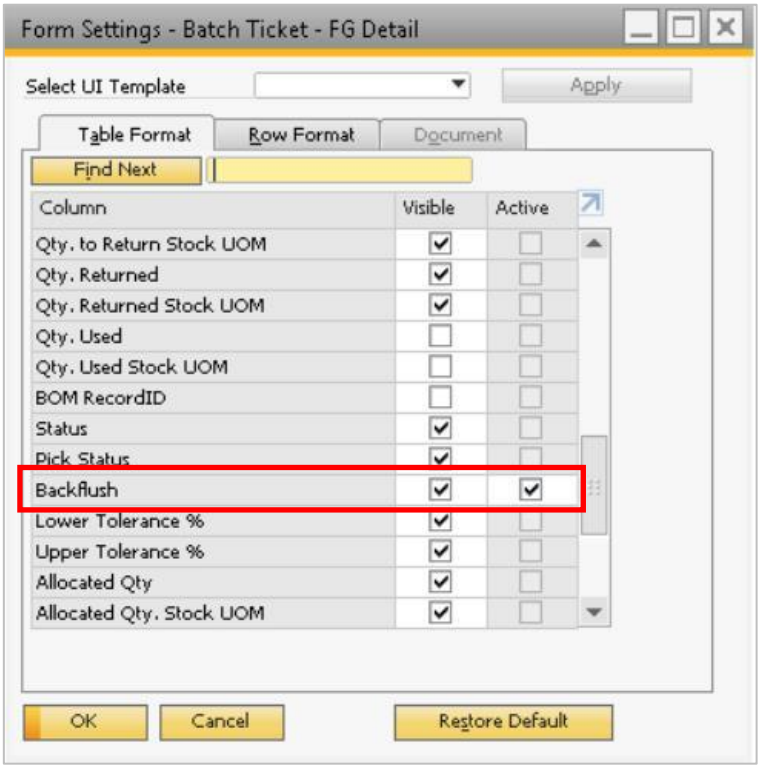
Selecting either the "Full Batch Backflush" or "Item-wise Backflush" checkbox will automatically select the "Size Amount of RM to be Backflushed on Part Close" checkbox to ensure proper raw material tracking.



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*.

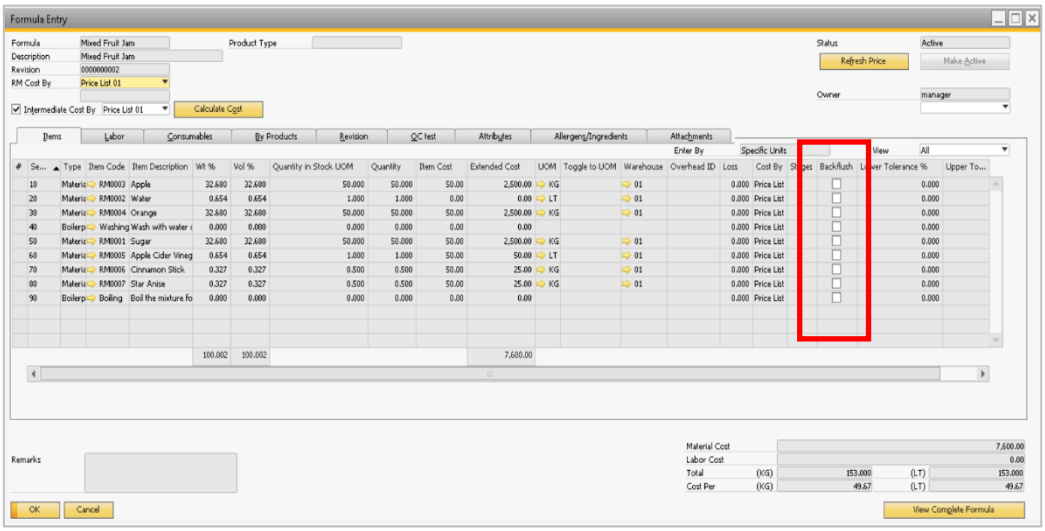


e. **Form Settings**: Ensure that the *Visible* and *Active* checkboxes are marked on the *Table Format* tab of the *Form Settings* screen for the screen on which *Backflush* checkbox is applicable. On marking *Visible* and *Active* checkboxes the *Backflush* checkbox is enabled on the respective backflush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



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

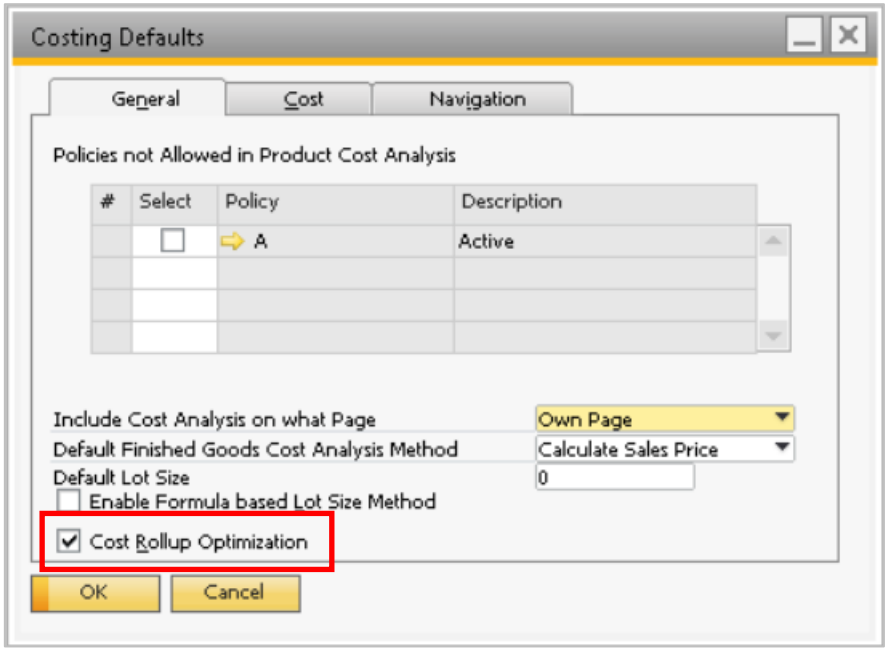
The newly added *Size with Batch* option in the *Bill of Materials Entry* screen allows users to control whether consumable item quantities should be automatically sized based on the finished goods (FG) production batch size or remain static as per the BOM definition.

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

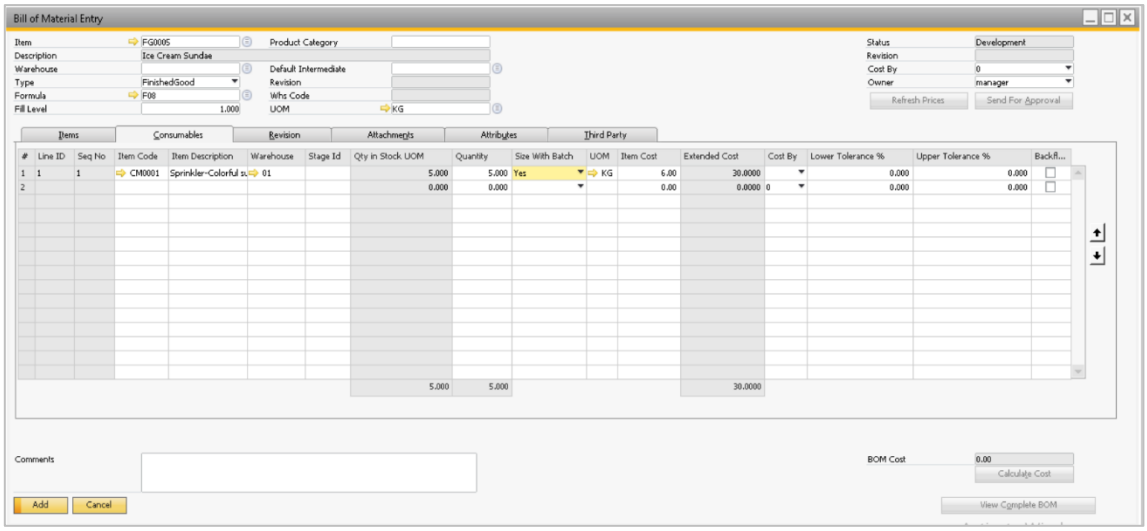
Costing Default screen is enhanced with the *Cost Rollup Optimization* option.



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

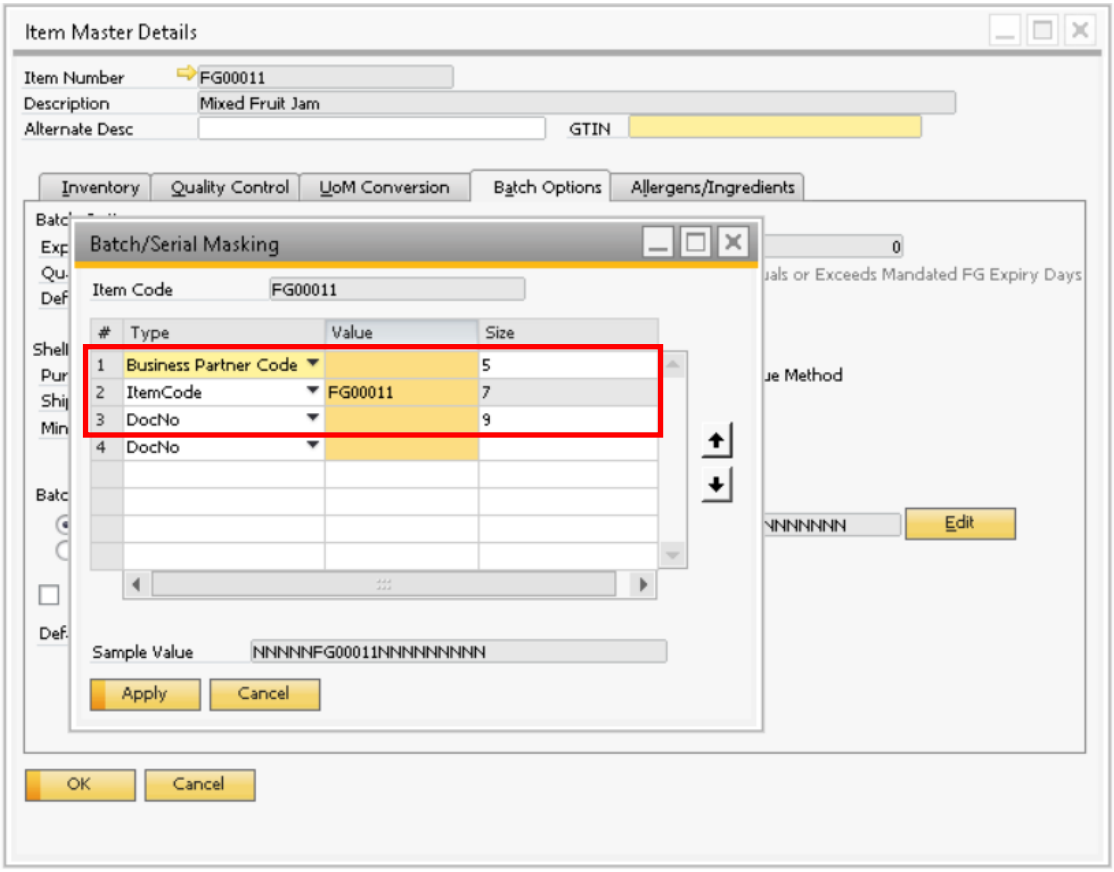
Say, for example, if you want to create lot masking based on the following character length. Here we are considering *Business Partner Code*, *Item Code*, and *Batch Number*:

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.

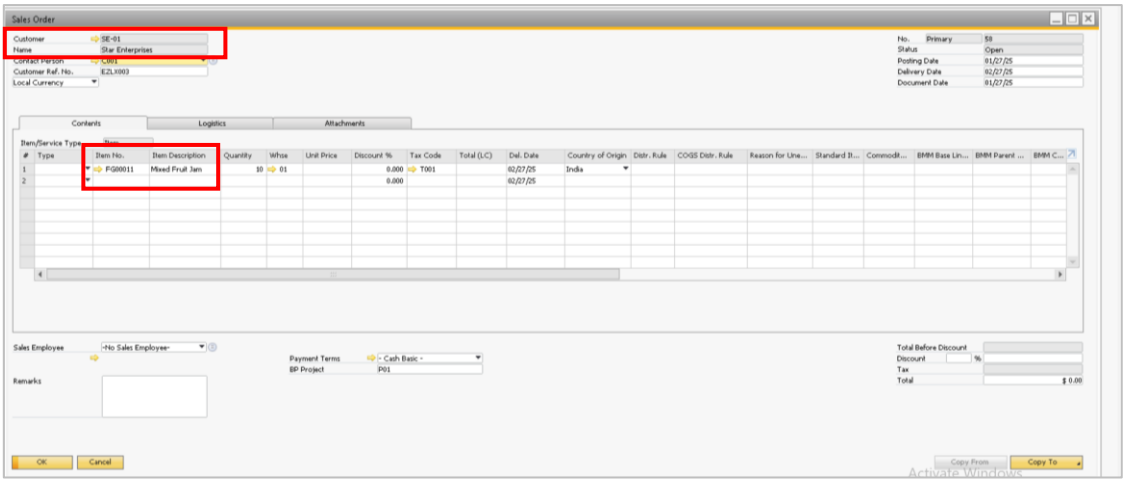
- From the *Type* dropdown, select the *Item Code* option and specify item *FG00011* with its character size as 7.

- From the *Type* dropdown, select the *DocNo* option and specify its character size as 9 to also accommodate the 8 characters.

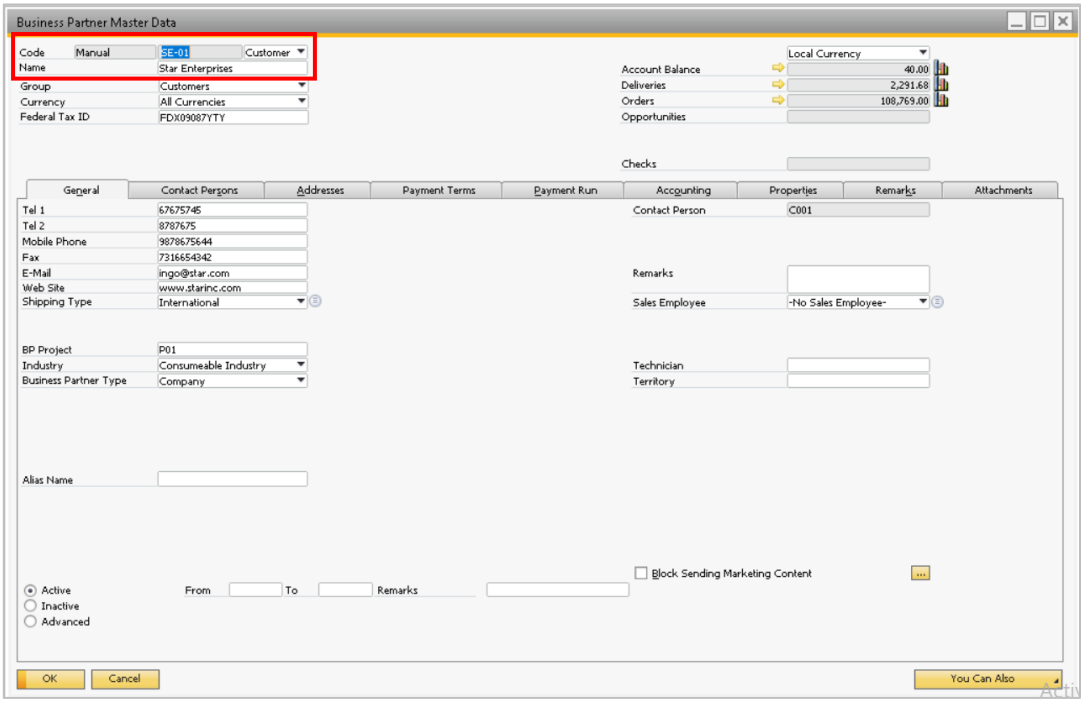


2. Click the *Apply* button on the *Batch/Serial Masking* screen to save the defined character count for the lot number masking.

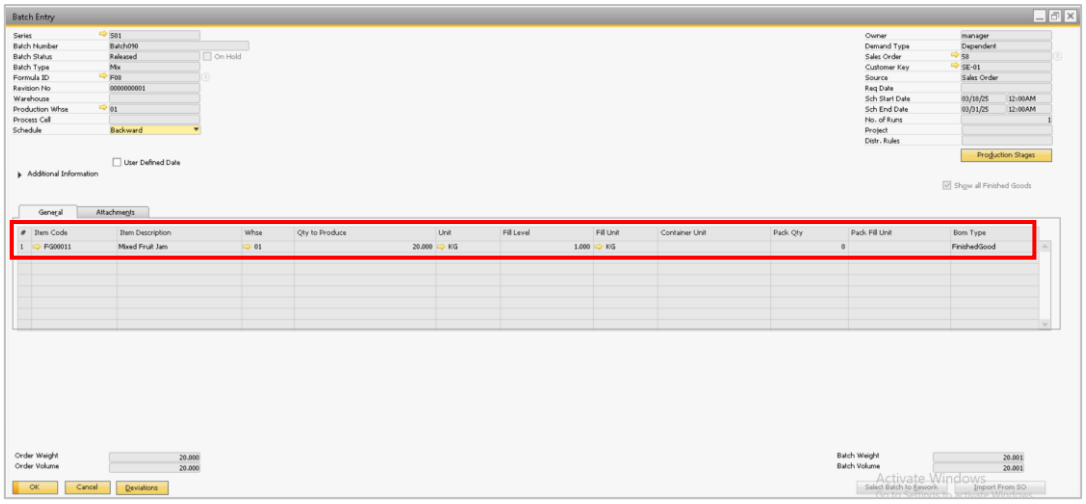
3. Now create a sales order for the item *FG00011- Mixed Fruit Jam* with the Customer *SE-01*. The sales order is created with the system generated number as *58*. Use this sales order while creating the upcoming batch as a dependent demand for this sales order i.e., Sales Order 58.



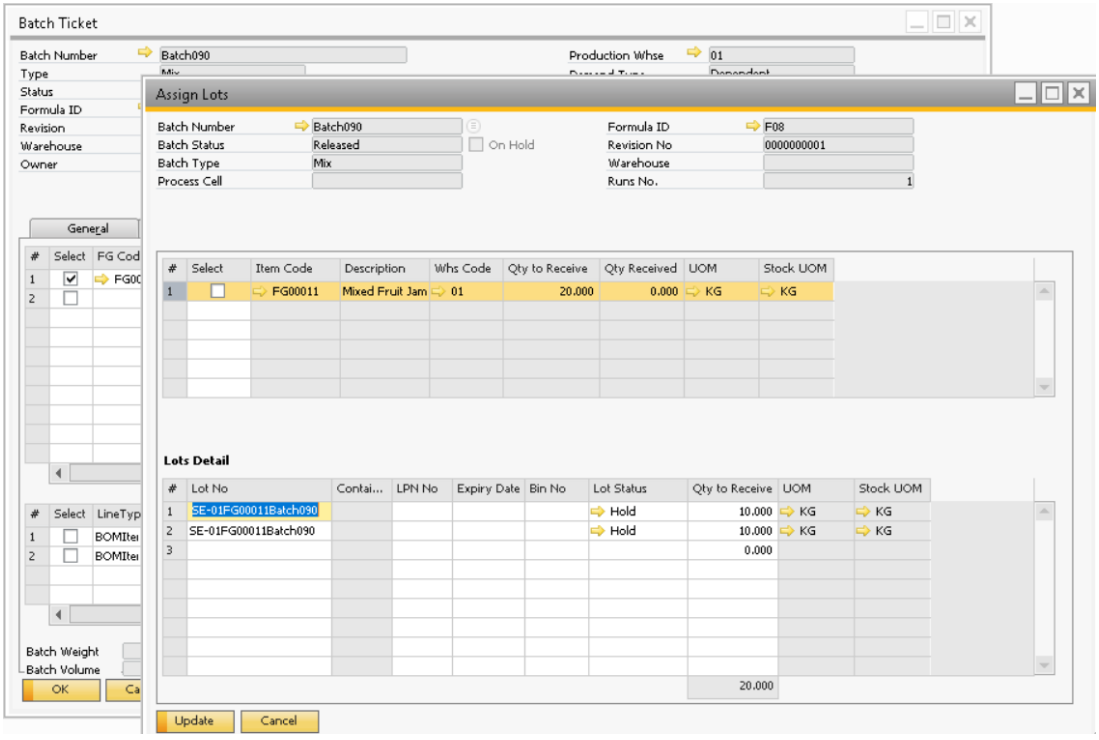
4. The *Customer* code *SE-01* is maintained on the *Business Partner Master Data* for the *Type* as *Customer*.



5. 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.

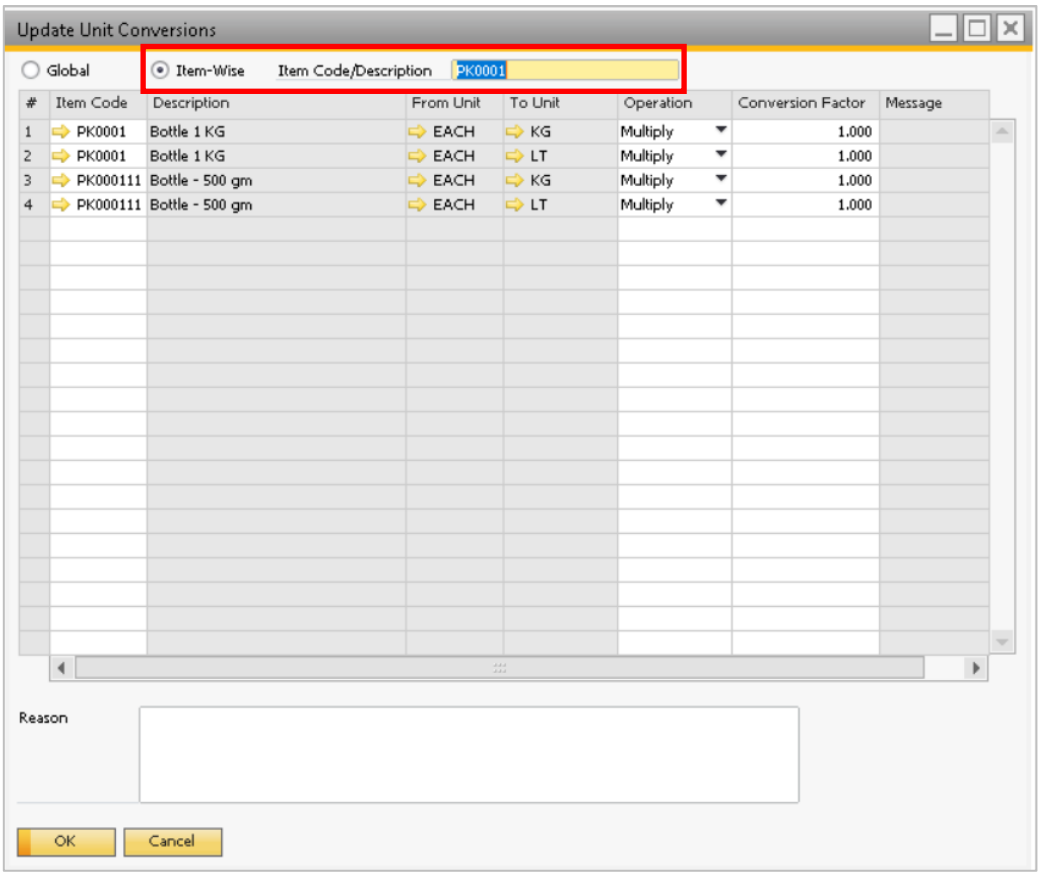
S.No.	Defined Batch/Serial Masking in Core screen (Character Count)	Actual Data	Lot Number
1	*Business Partner Code* (5 Characters)	SE-01	**SE-01FG00011Batch090**
2	*Item Code* (5 Characters)	FG00011	

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-Wise Update Filter:

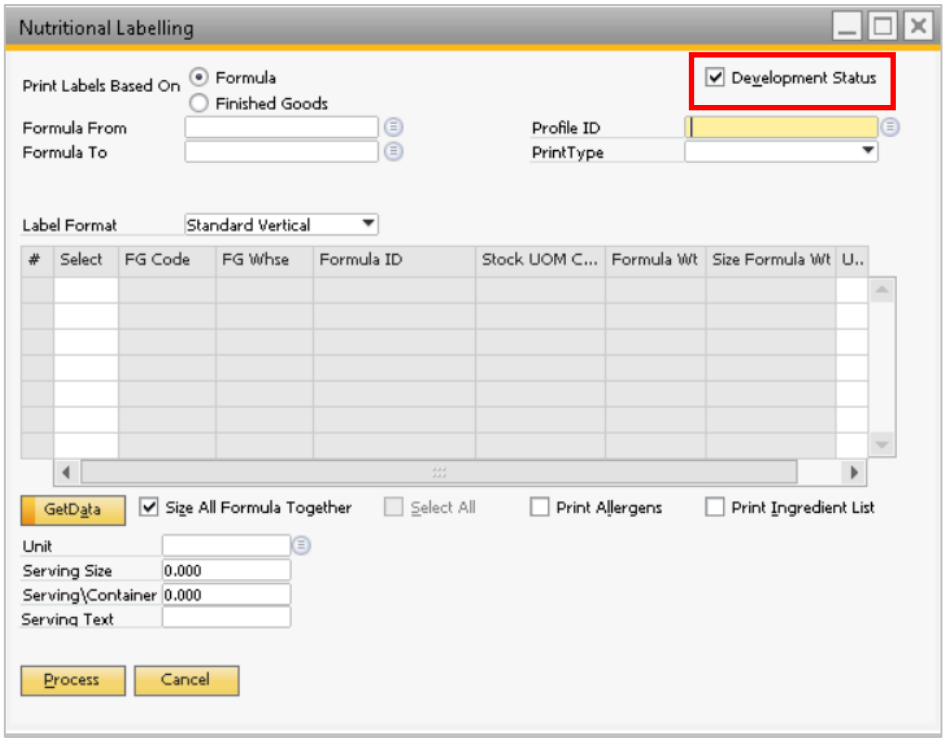
- A text field has been added, allowing users to input an item code or item description with real-time filtering, supporting both full and partial text matching for enhanced search efficiency.

- 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.

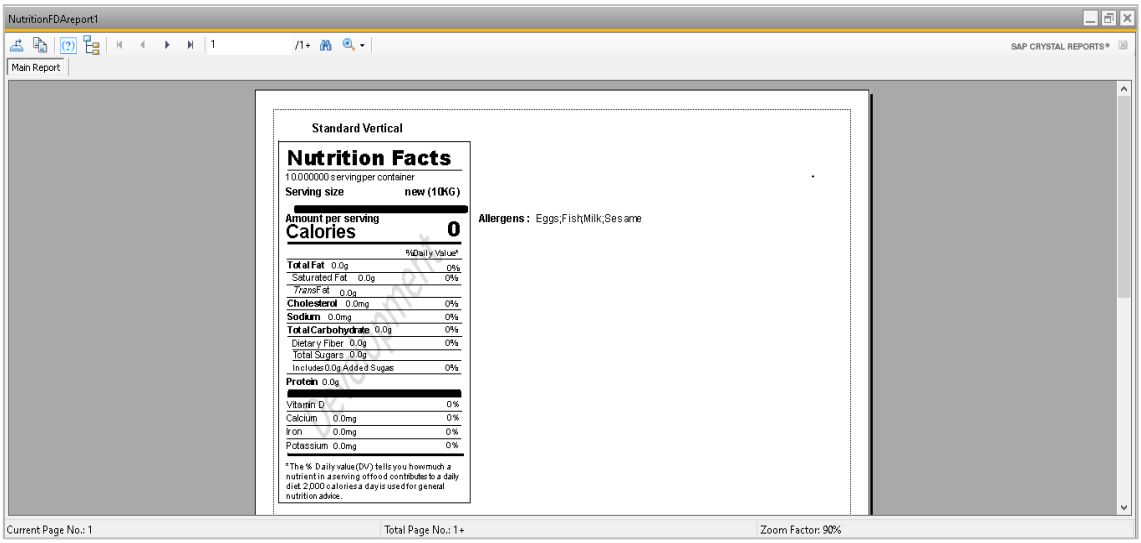
11 Nutritional Labelling for Development Status of Formula

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.



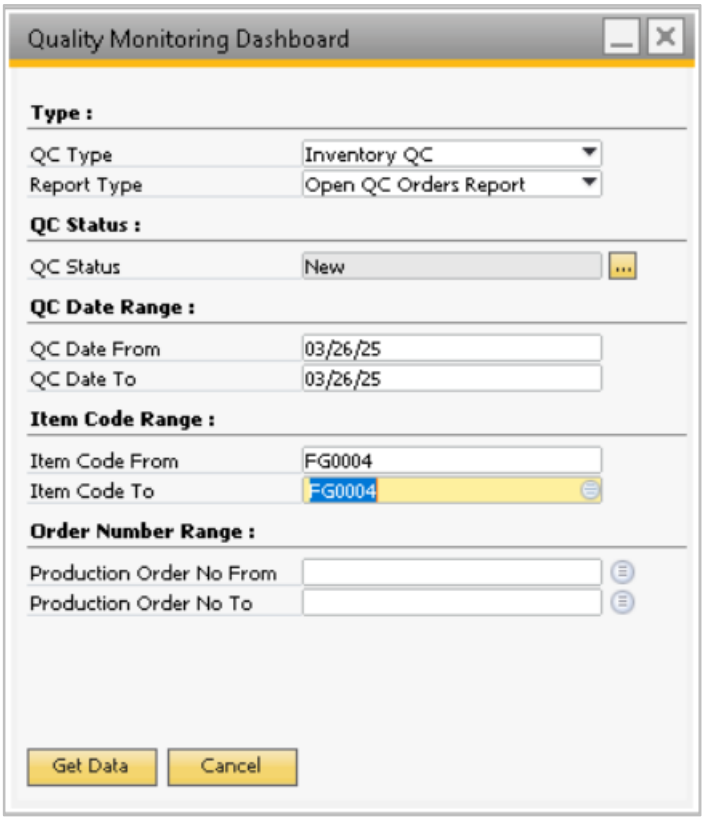
- Print Type is set to AtWater for Nutrition Label report.
- **Report Generation:** After the user selects the relevant BOM and Formula in developmental status. The report is generated based on the user's selections with the Development watermark.



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.

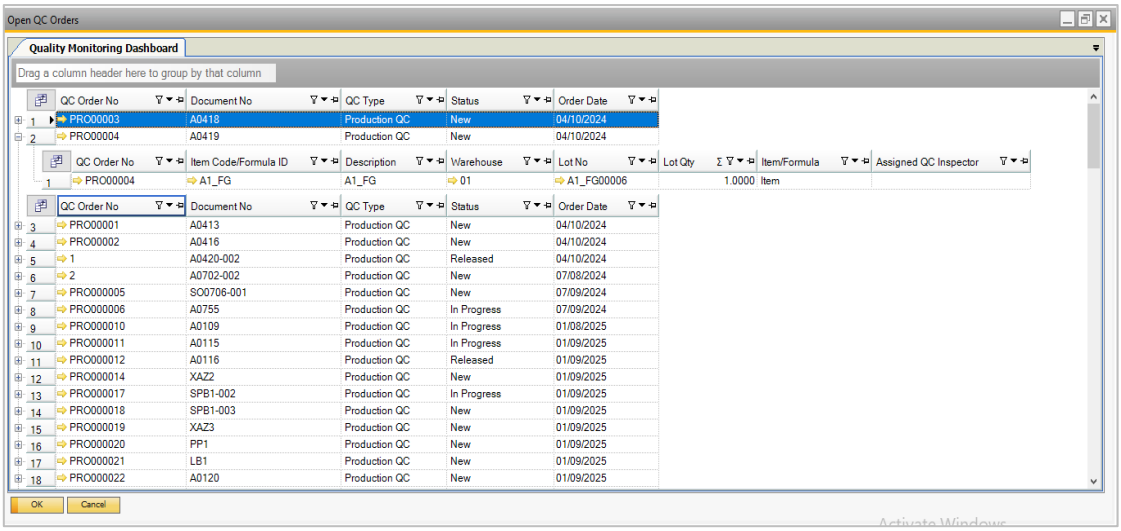


12.1 Dashboard Fields and Options

12.1.1Report Type (Mandatory)

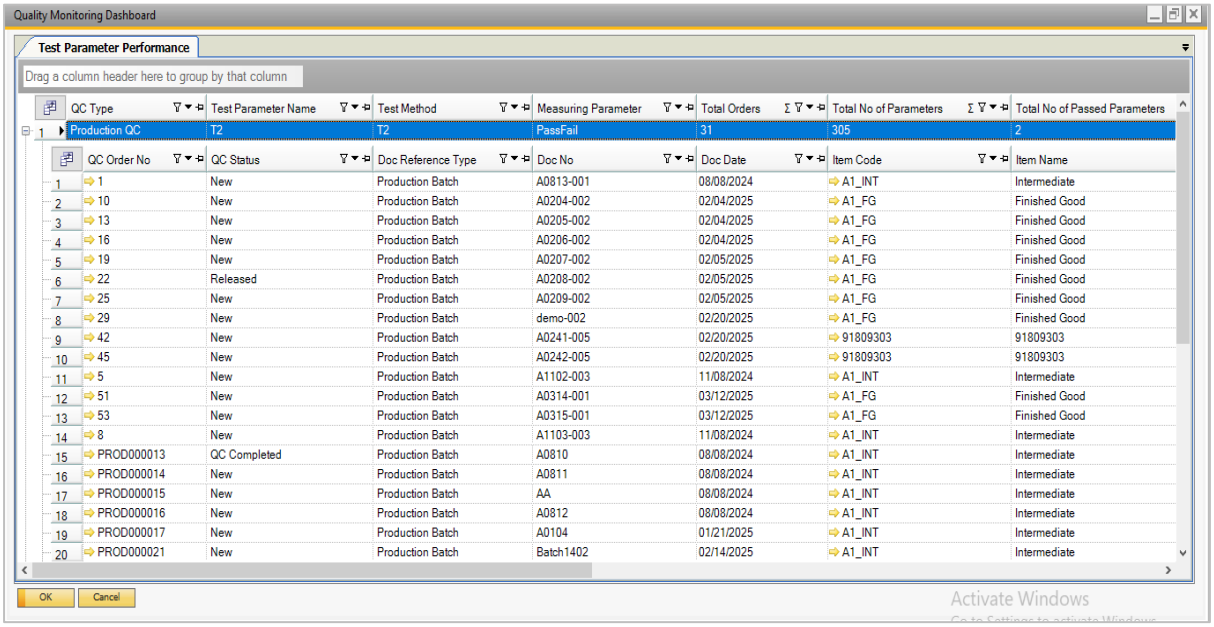
The Report Type field allows users to select the type of report to generate. Only relevant report types are available based on the selected QC Type (Production, Inventory, Sales, Purchase). This is a mandatory field and includes the following options:

- **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.

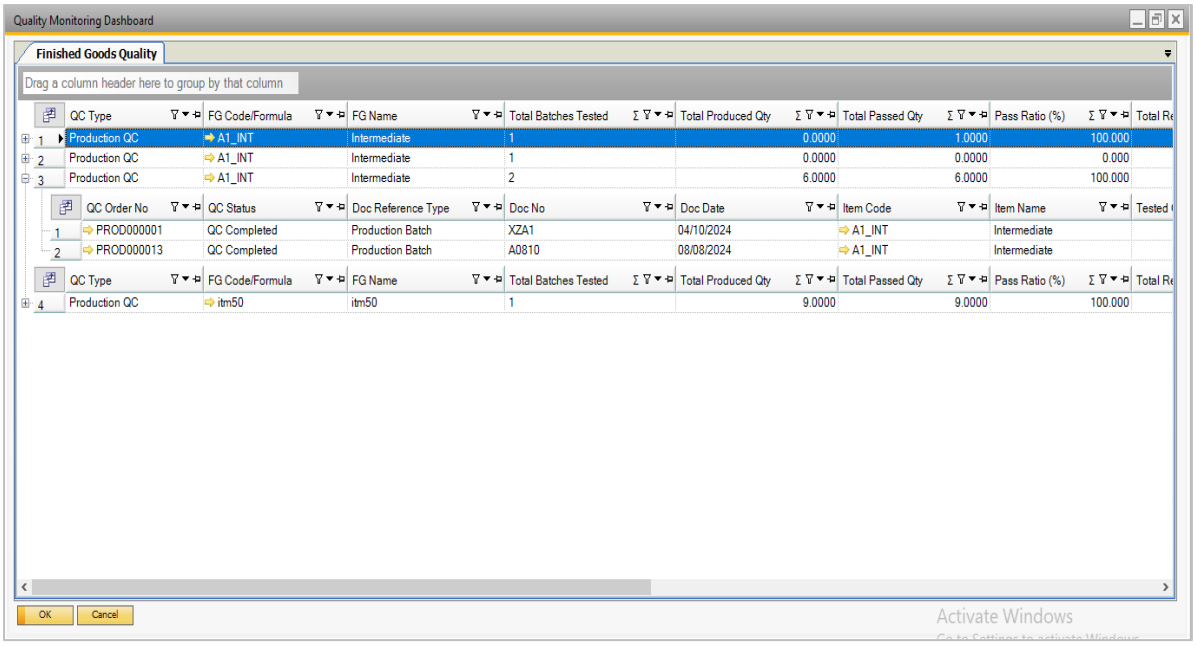


- **Completed/Closed QC Orders Report** – Shows all QC orders that have been finalized. Displays past orders with completed QC inspections. Orders with QC Status as 'Completed' within the selected date range and QC Type. QC Status selection is ignored to ensure completed status orders are always displayed.

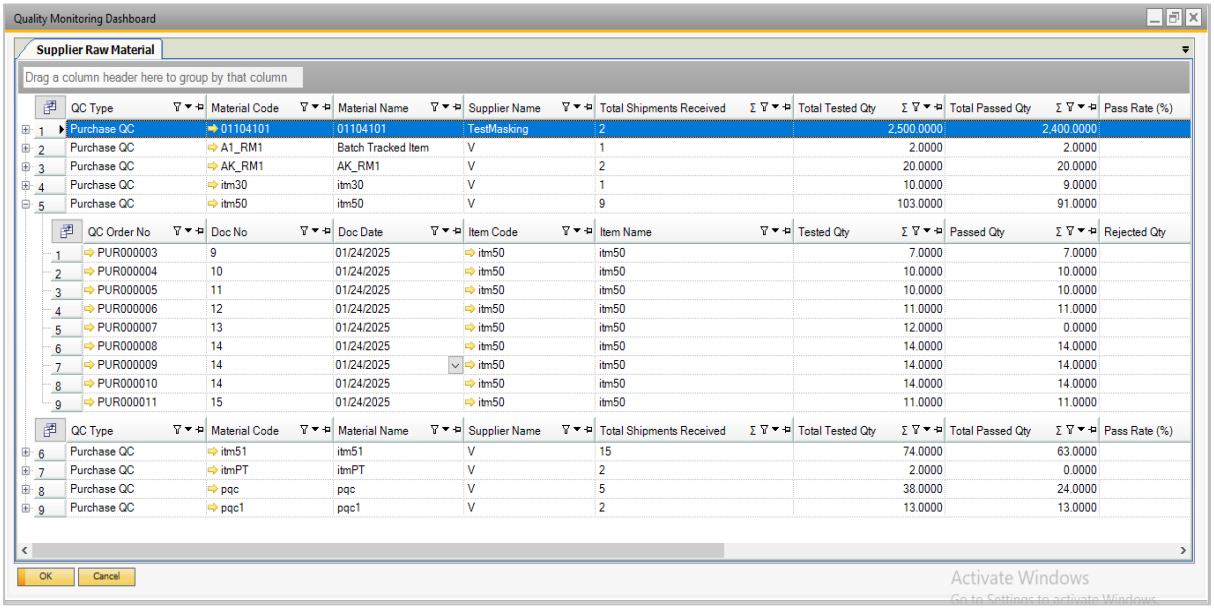
- **QC Test Parameter Performance Report** – Evaluates QC test results across different parameters. Analyzes QC test parameters across different batches and QC types. QC test records within the selected date range and QC Type.



- **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.



- **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.



12.1.2QC 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.

12.1.3QC 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.

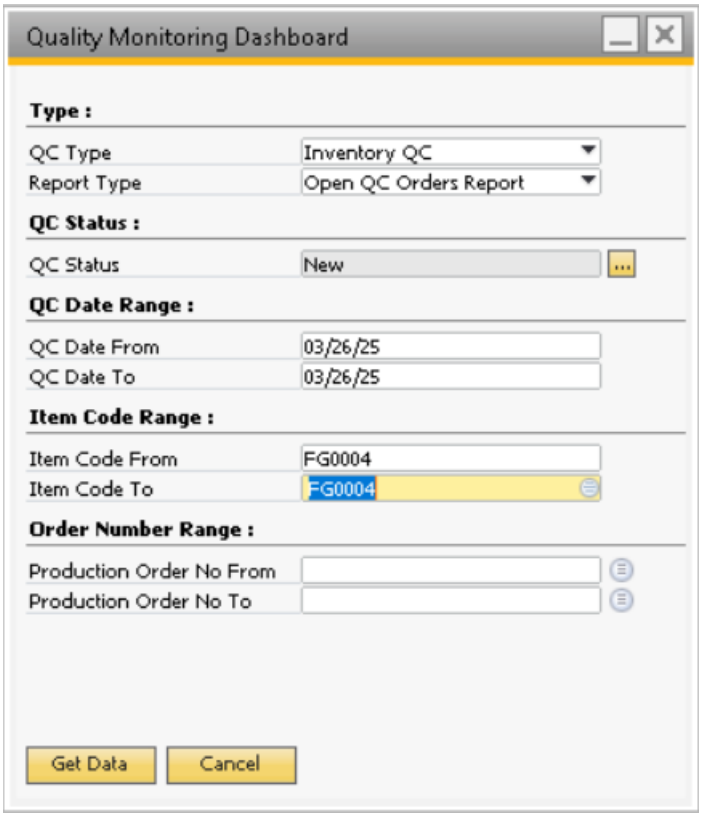
12.1.5Action Buttons

- **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.



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.

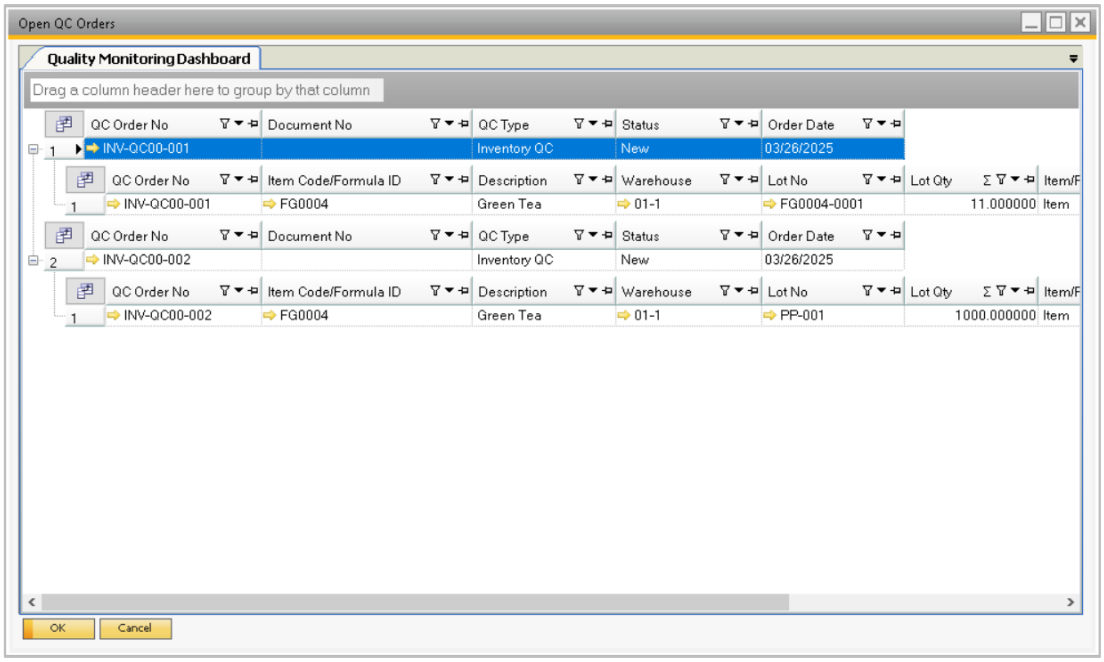
5. Set Date Range (Optional): If you want to filter by date, enter the QC Date From and QC Date To values.

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.

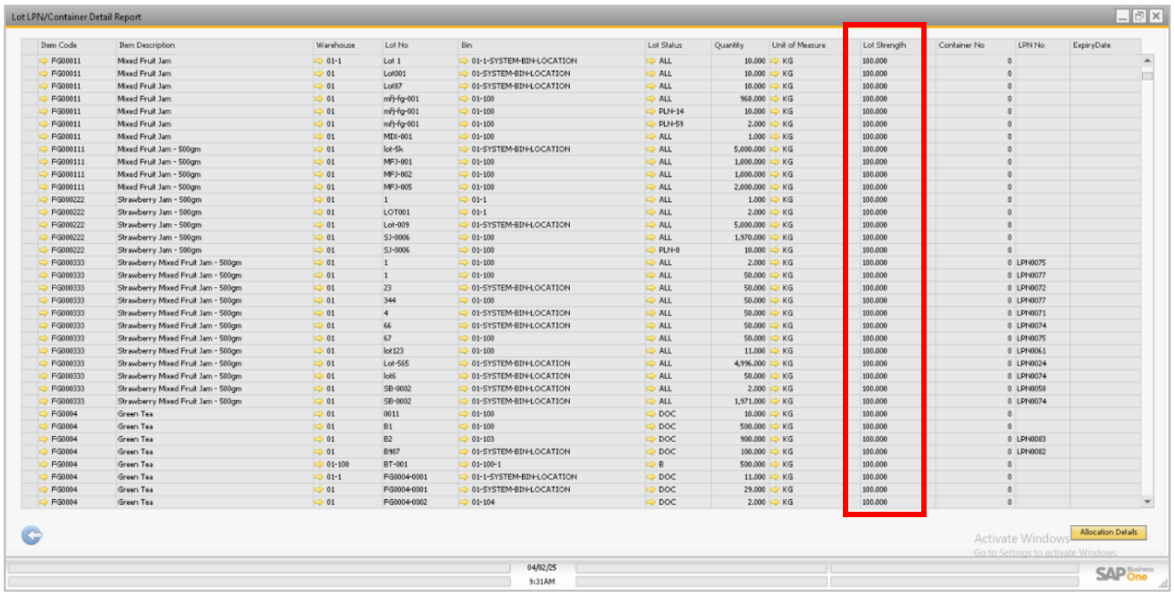
8. Set Business Partner Range (Optional): If you want to filter by business partner, enter the Business Partner From and Business Partner To values.

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.

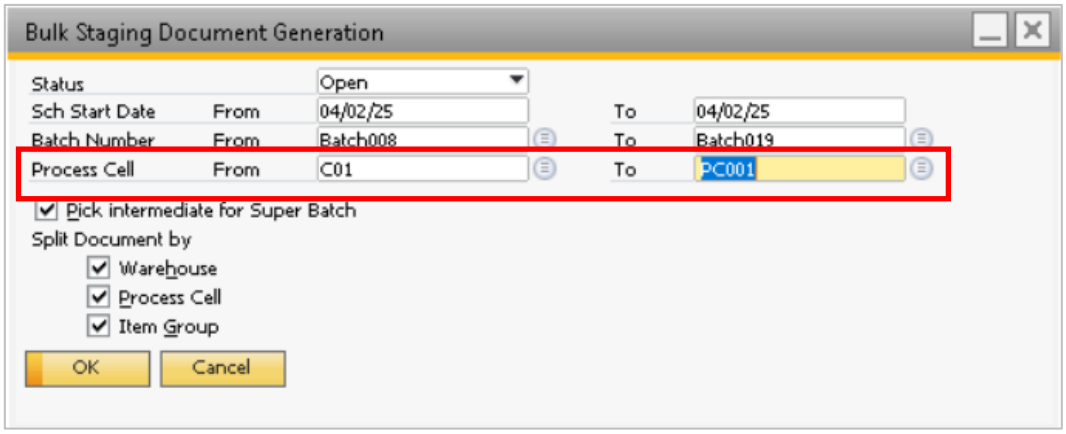


Note:

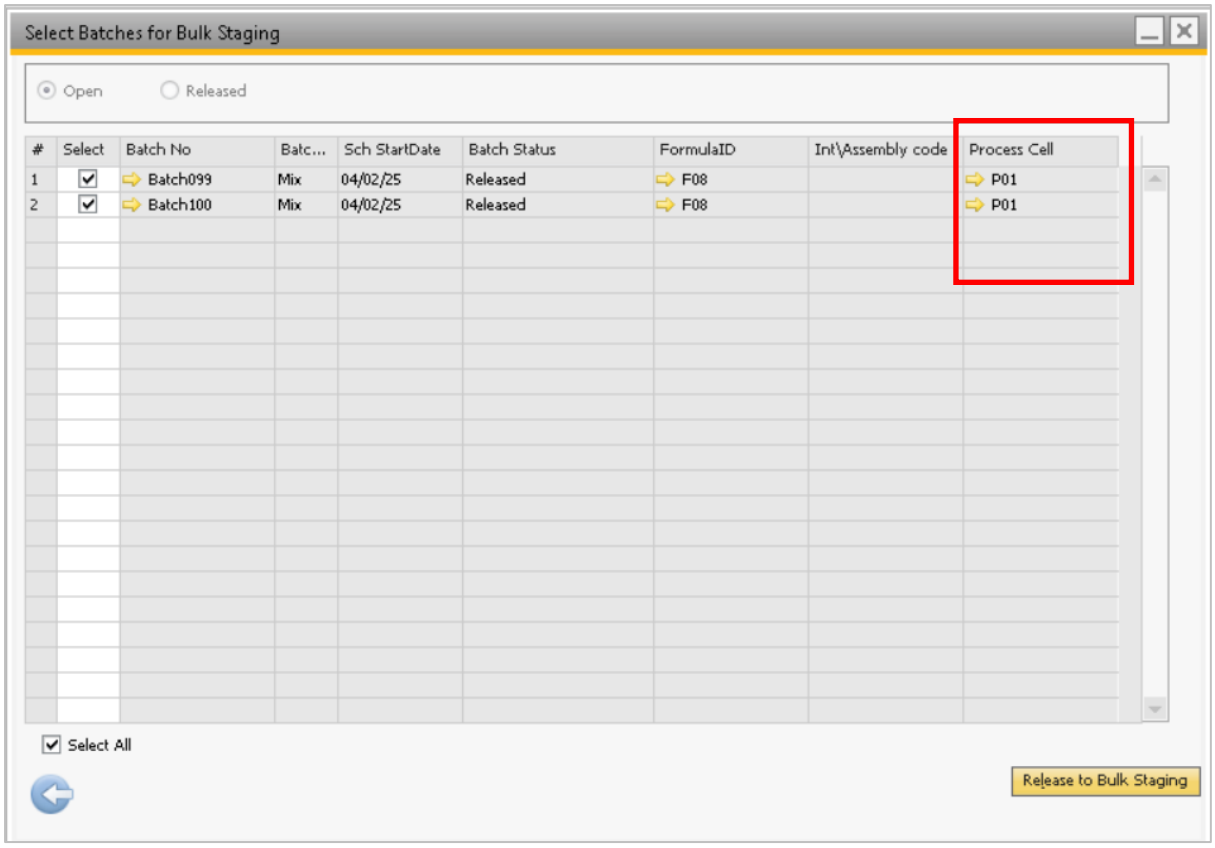
- The *Lot Strength* column will only be visible when the *Optimization* switch is turned off.
- This feature is designed to function exclusively within the non-optimized mode, as the lot strength functionality is only available when the switch is off.

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.

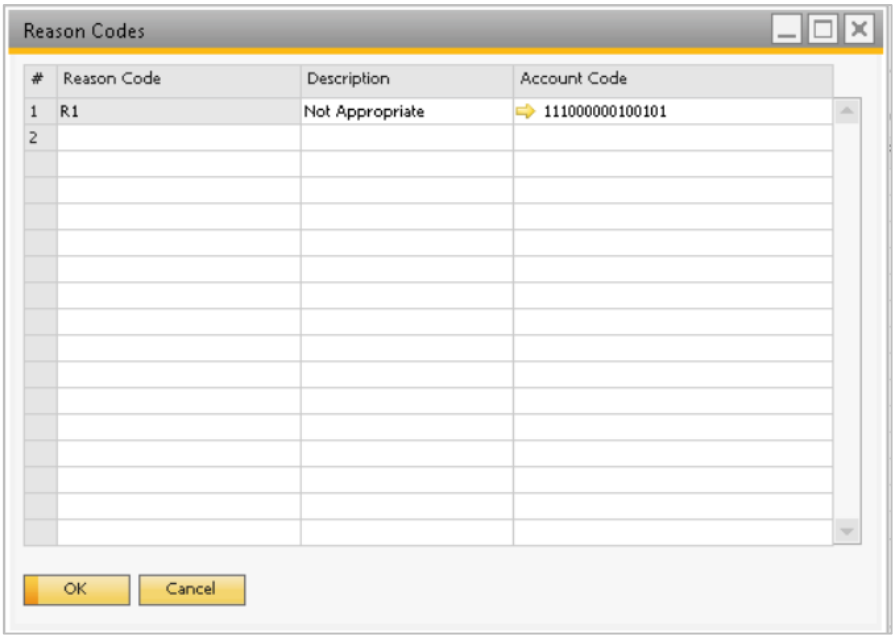


These fields will allow users to specify a range of process cells for filtering production batches. The lookup for process cell selection displays only active process cells. When process cell values are selected, the system retrieves and process only production batches that are associated with the specified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



This consolidation streamlines reason code management, simplifies system architecture, and enhances overall maintainability.

16 User-Specific Alerts for Automated MPS/MRP Execution

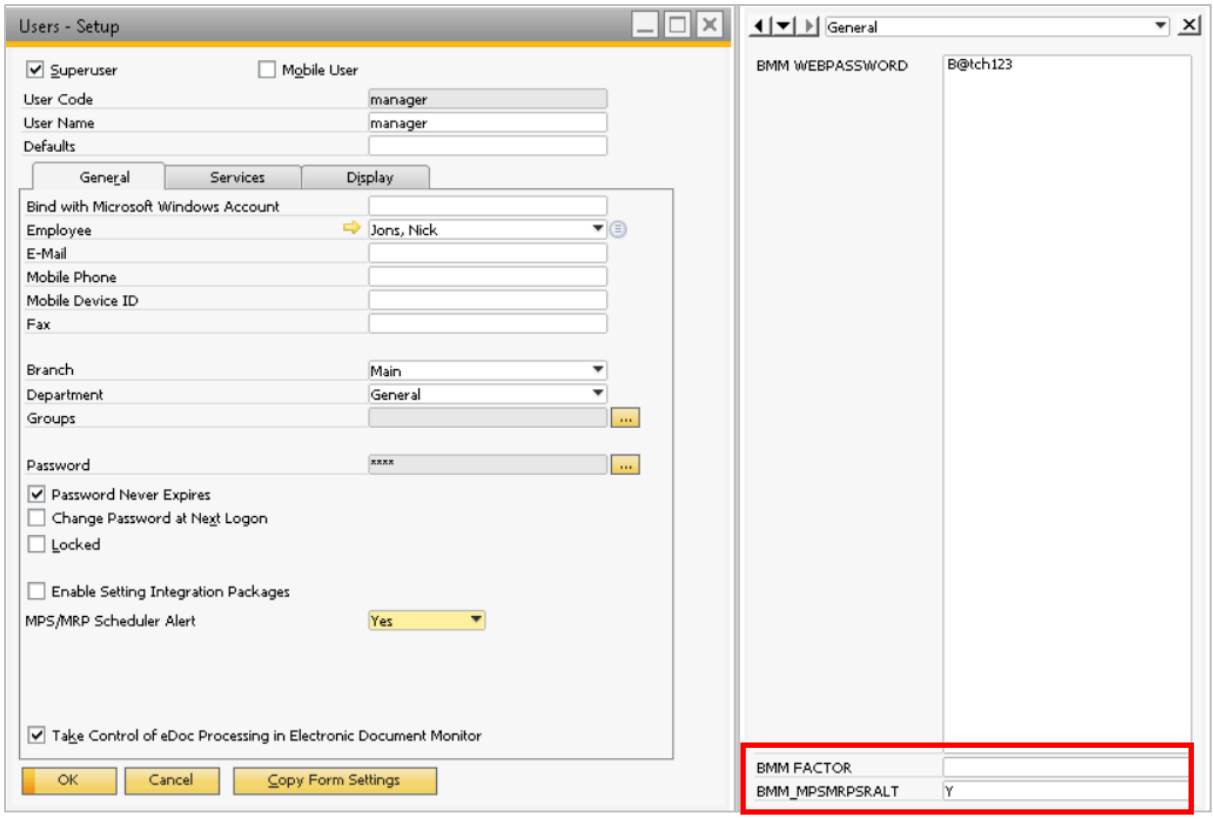
This feature introduces user-specific alerts to inform designated users about the start, success, or failure of automated MPS/MRP runs. The purpose is to provide users with timely notifications regarding the execution status of scheduled MPS/MRP services, improving transparency and enabling proactive issue resolution.

Currently, when MPS/MRP services are automatically executed, users receive no feedback on the service's progress or outcome.

16.1 Users - Setup

A new dropdown field named *Planning Alerts* is added to the *User Setup* screen. the associated dropdown following options:

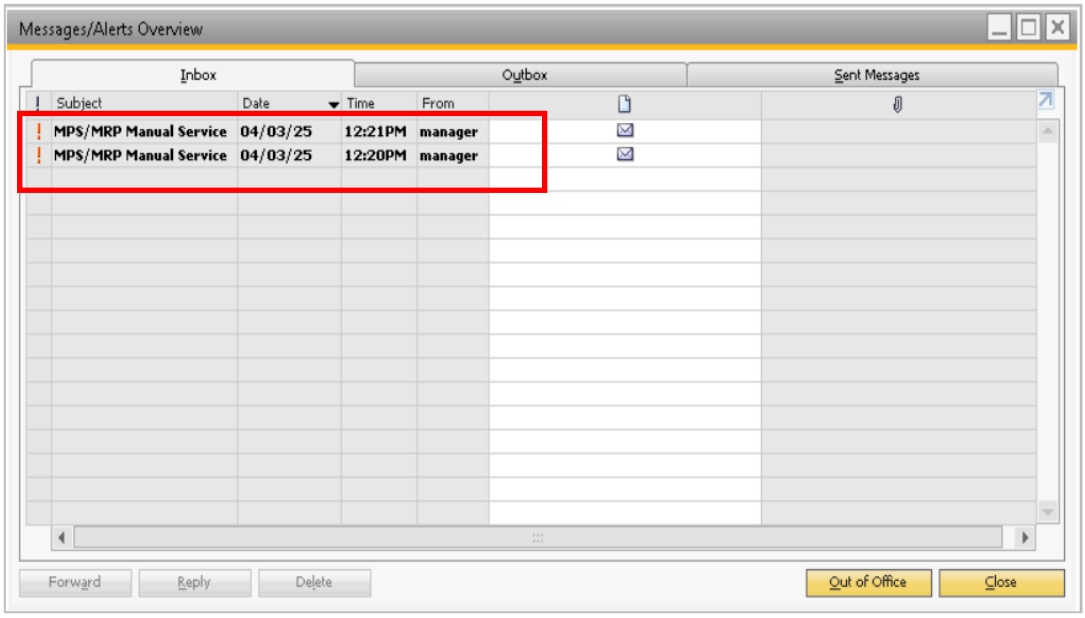
- **Yes**: selection determines user will receives MPS/MRP execution alerts.
- **No**: Selection determines user will not receive MPS/MRP execution alerts. The default value for the *Planning Alerts* dropdown field is *No* for all the users. This ensures that users do not receive alerts unless they explicitly opt in.

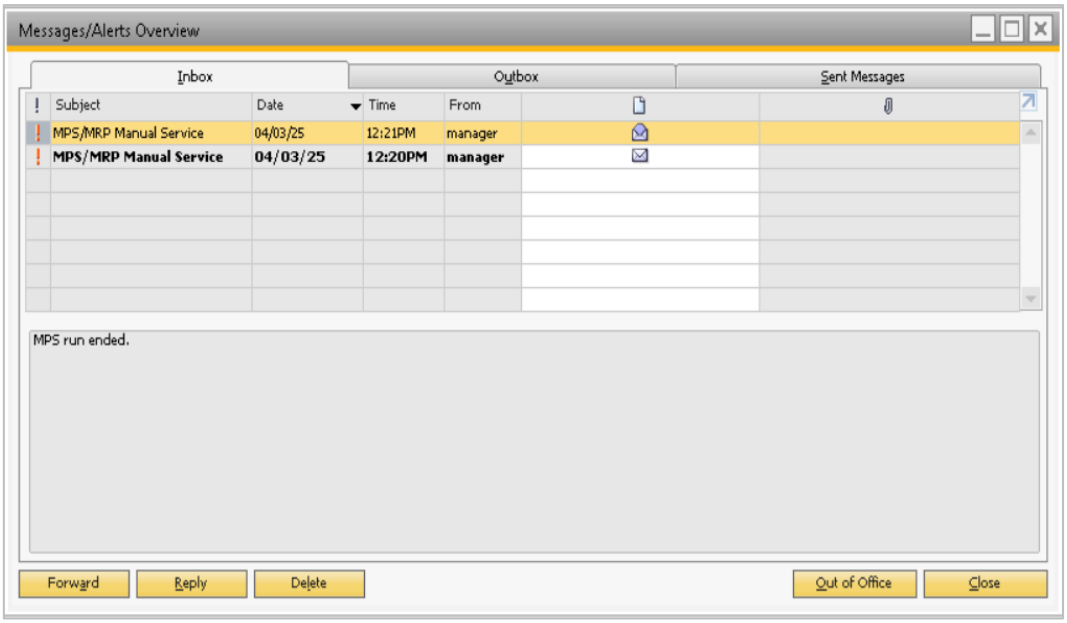


16.2 Messages / Alerts Overview

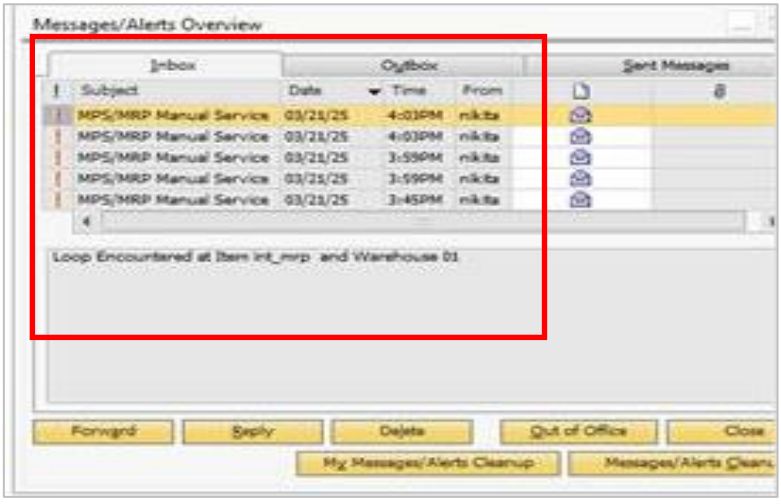
The window displays the messages or Alerts as:

- **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

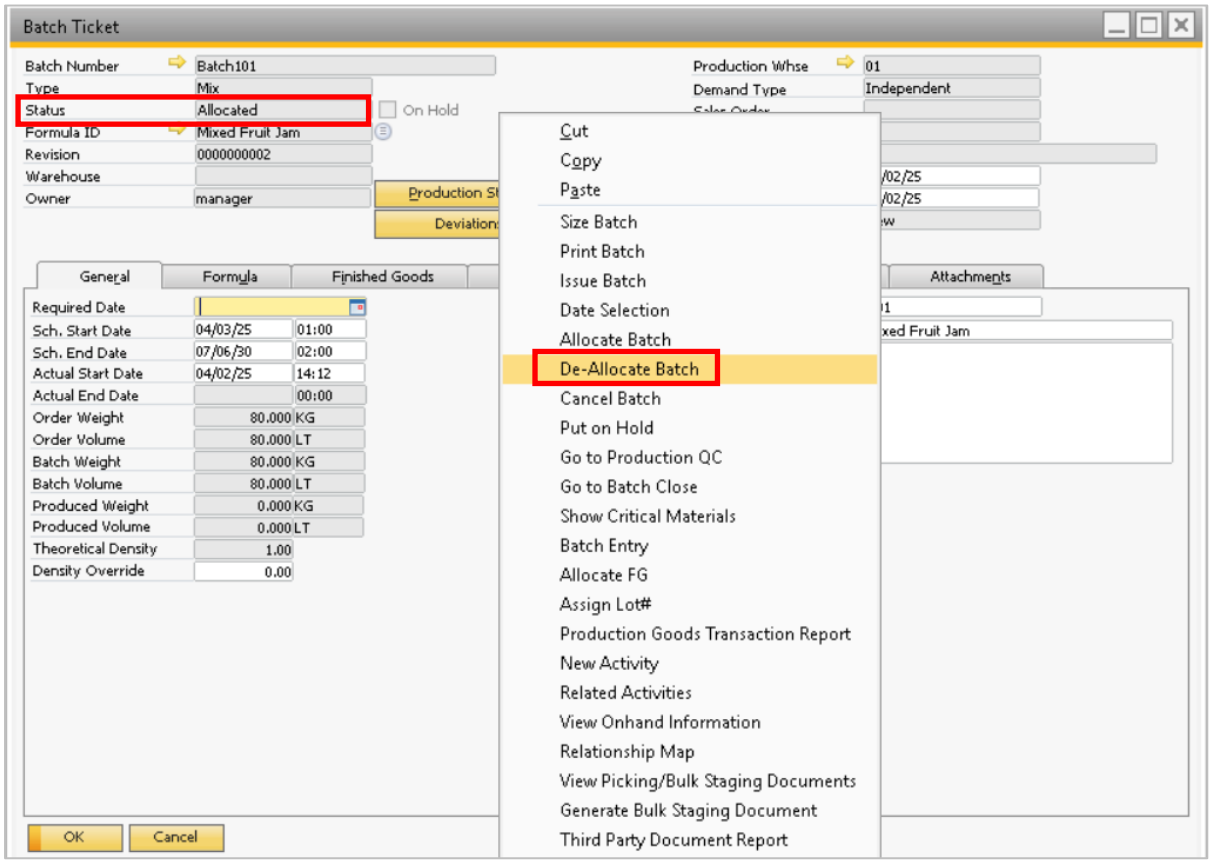
This feature introduces the ability to select and deallocate individual items within a production batch. Currently, while users can individually allocate materials to a production batch, the deallocation process only allows for the deallocation of the entire batch at once.

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.



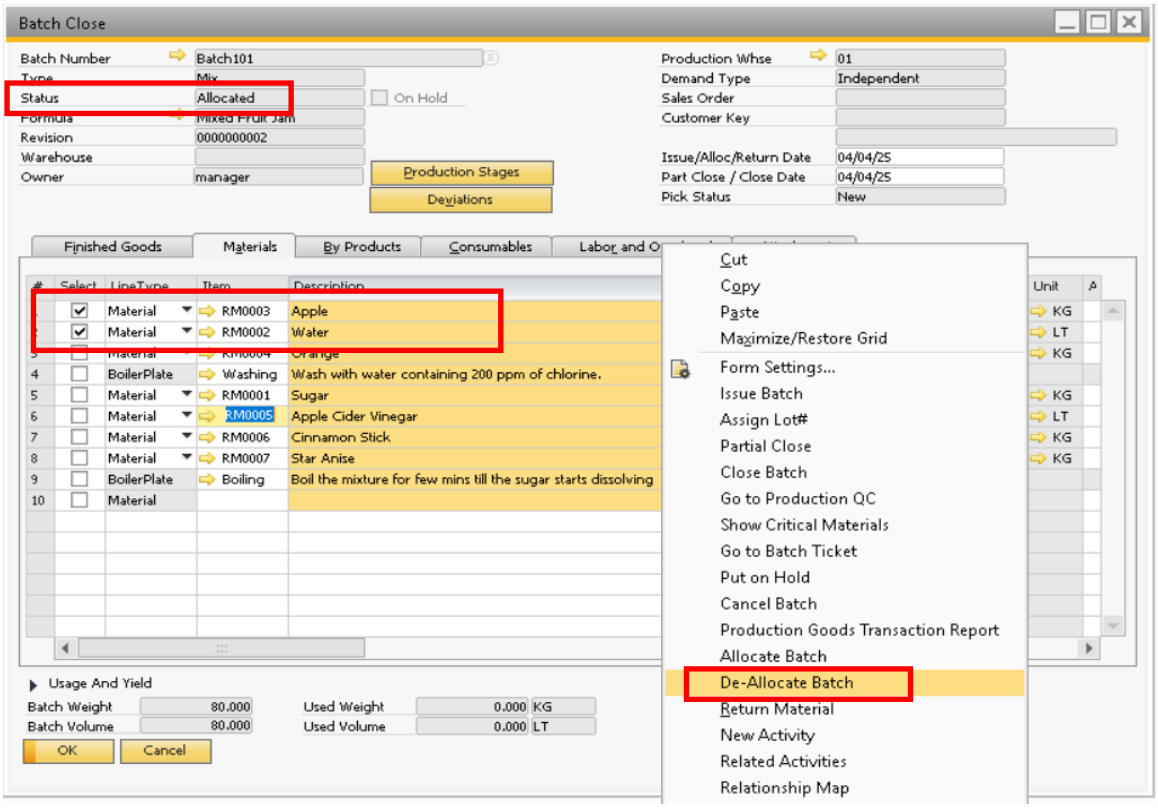
Note:

- 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.



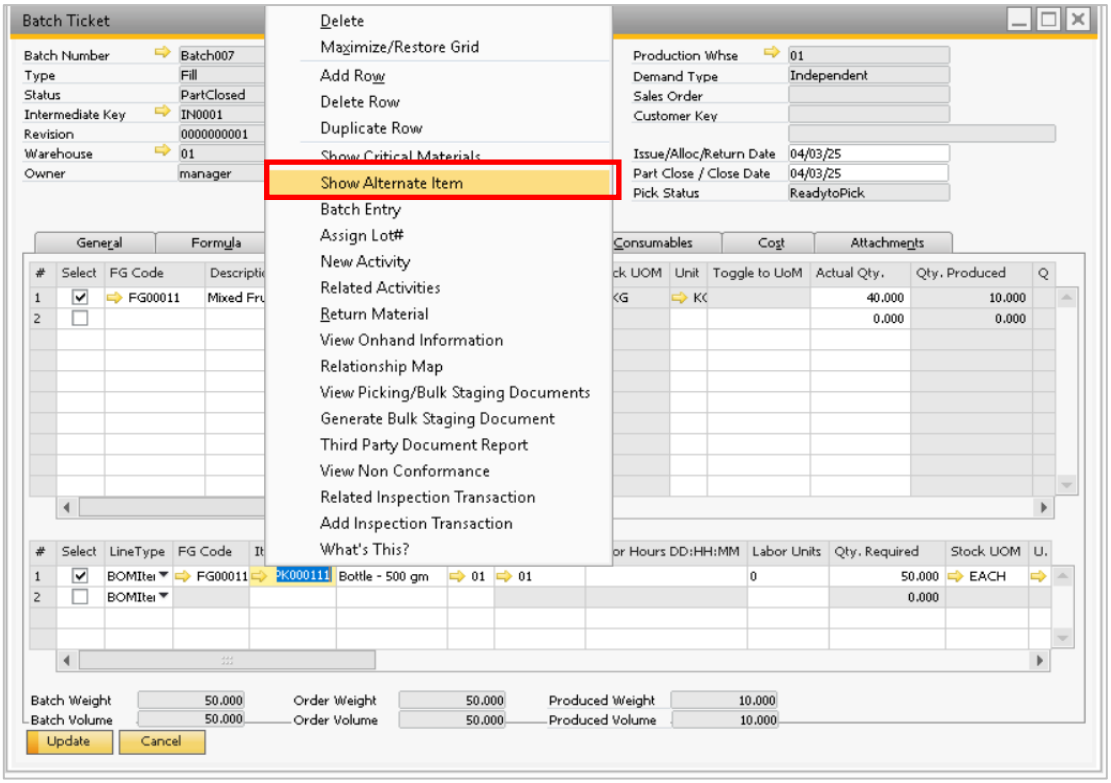
18 Alternate Item Selection for BOM Items on Batch Ticket Screen

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.

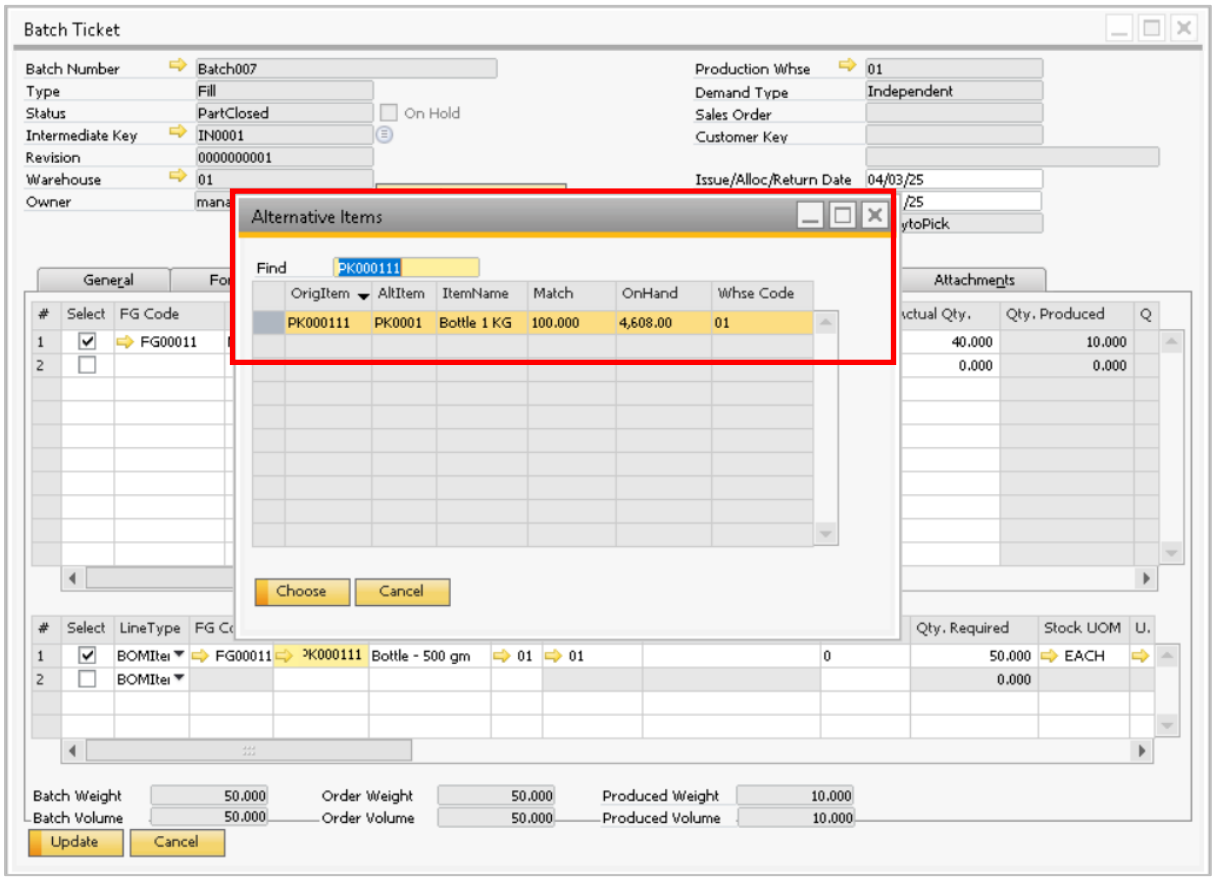
Users currently lack the ability to select alternate items for BOM components directly on the *Batch Ticket* screen, limiting flexibility during production. This feature introduces the *Show Alternate Item* option for BOM items, allowing users to select and replace BOM components with defined alternates.

18.1 Alternate Feature Batch Ticket

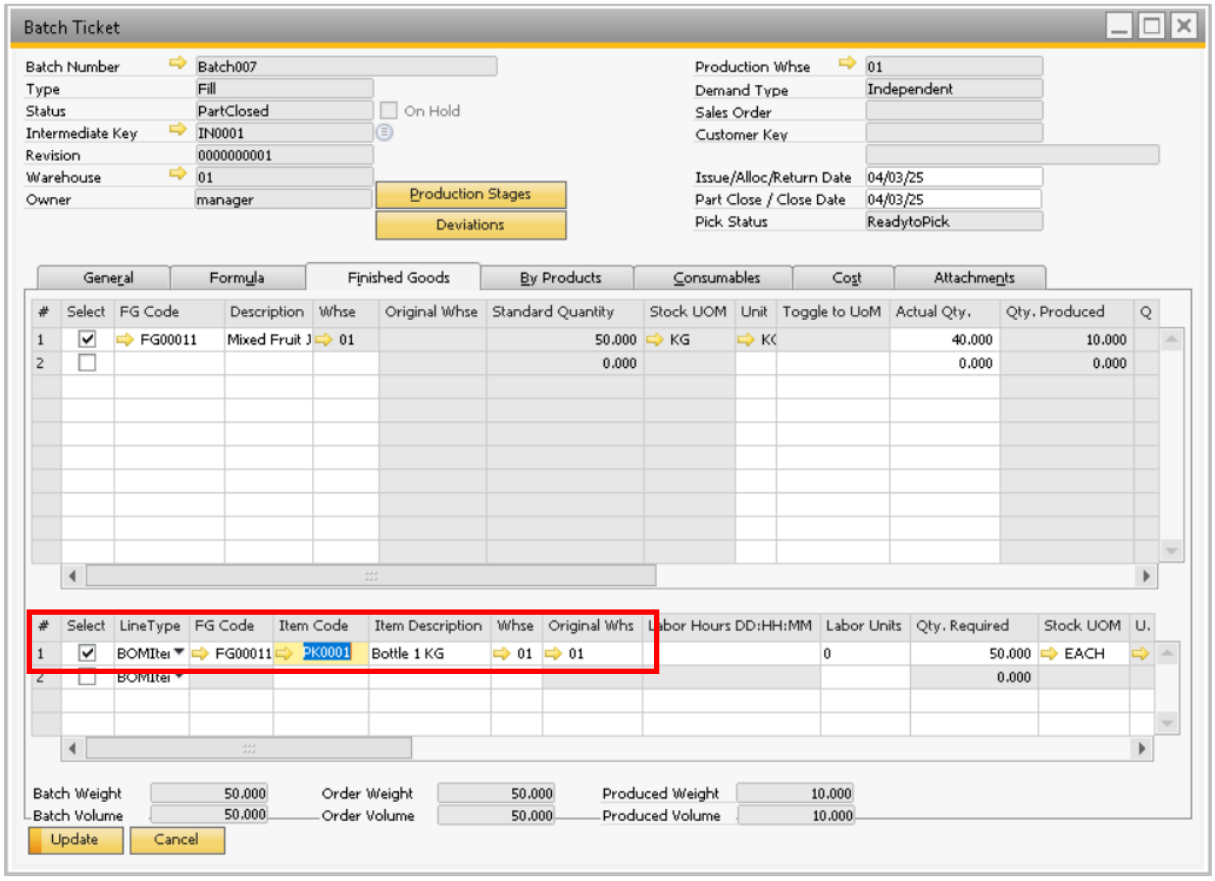
On the *Batch Ticket* screen, under the *Finished Goods* tab, a *Show Alternate Item* option is added to the right-click context menu for BOM items.



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.

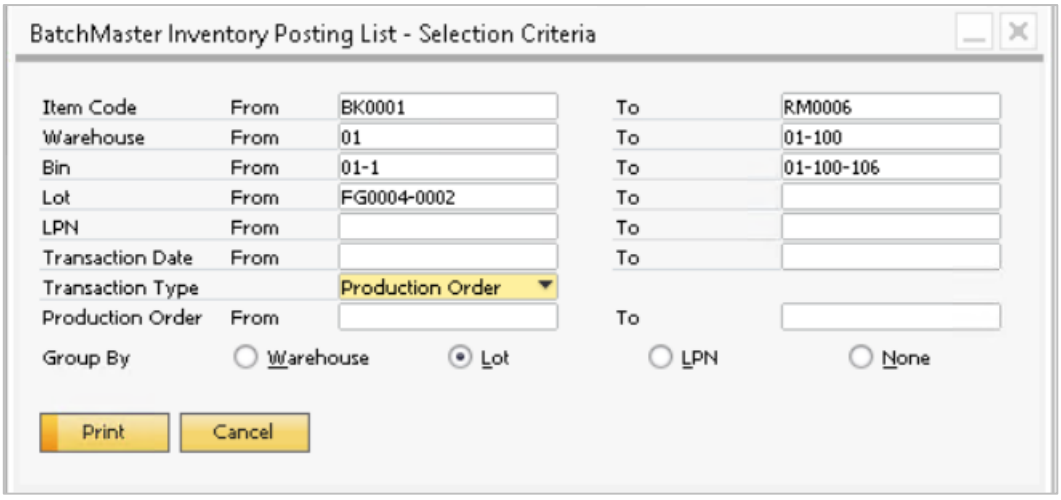


Note:

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.



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

19.1.1Filters

- **Item Code (From & To)**: Specify a range of item codes to include in the report.
- **Warehouse (From & To)**: Select a range of warehouses for focused inventory analysis.
- **Bin (From & To)**: Filter inventory based on specific bin locations.
- **Lot (From & To)**: Include inventory from a specific range of lot numbers.
- **LPN (From & To)**: Filter based on License Plate Numbers (LPNs).
- **Transaction Date (From & To)**: Specify a date range for the inventory transactions.
- **Transaction Type**: Clearly identifies the nature of each movement—such as receipt, issue, transfer, or adjustment—allowing users to categorize and analyze inventory actions more effectively.
    - **Cost**: Displays the associated cost per transaction, enabling financial traceability and supporting valuation audits.

19.1.2Grouping 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.

19.1.3Actions

- 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*.

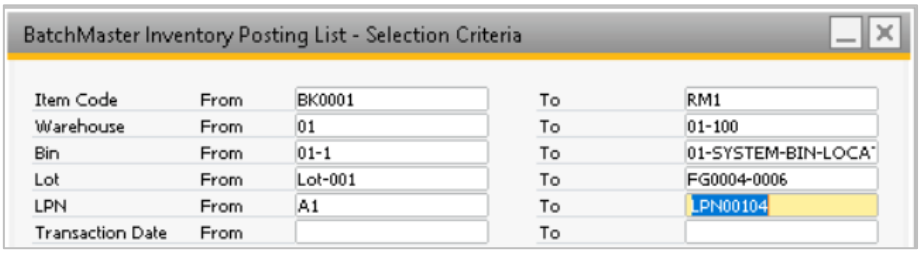
   GOTO→ Inventory → Inventory Reports → BatchMaster Inventory Posting List.

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.

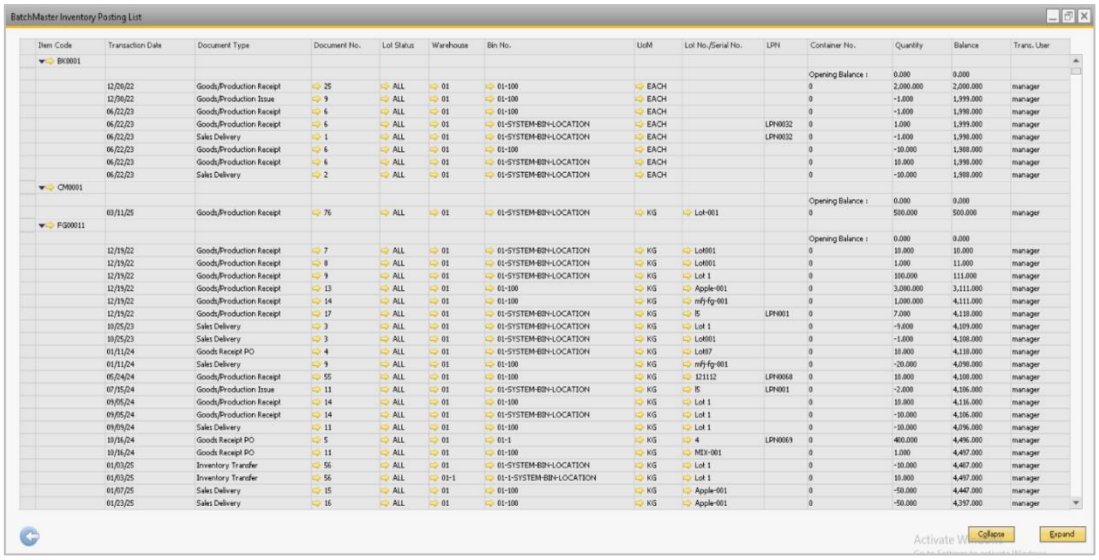
Example Scenario:

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.



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



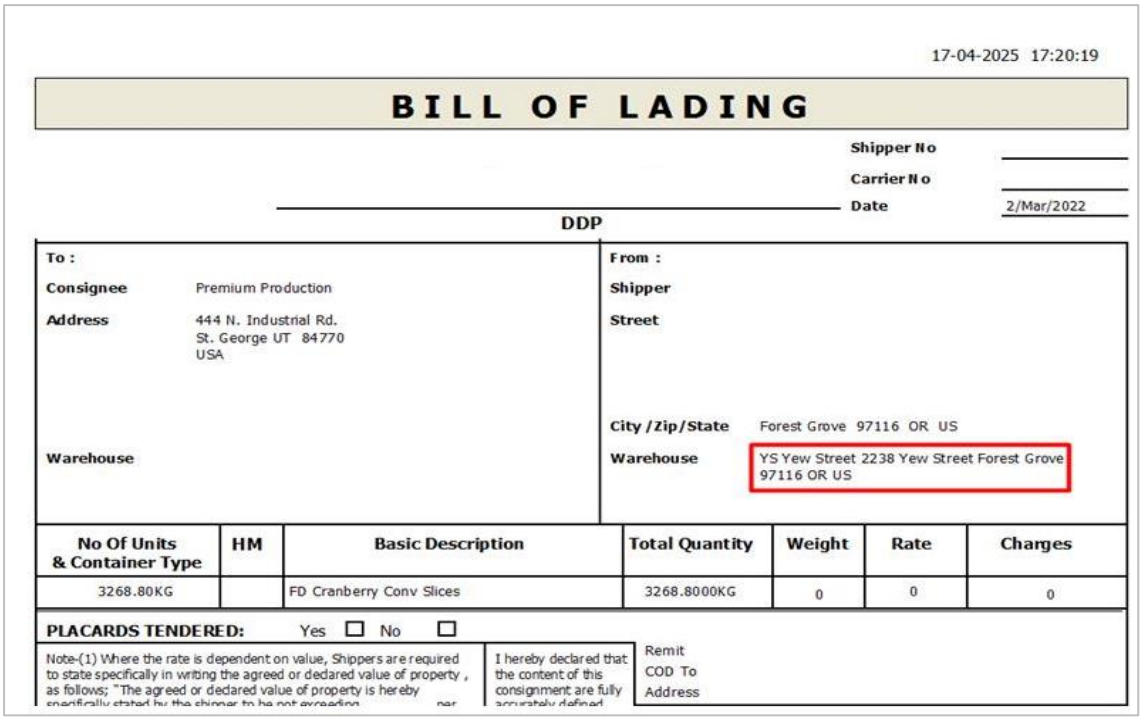
20 Ship From Address shown in Bill Of Lading Report

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
	City /Zip/State Forest Grove 97116 OR US
Warehouse	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 ☐ No ☐

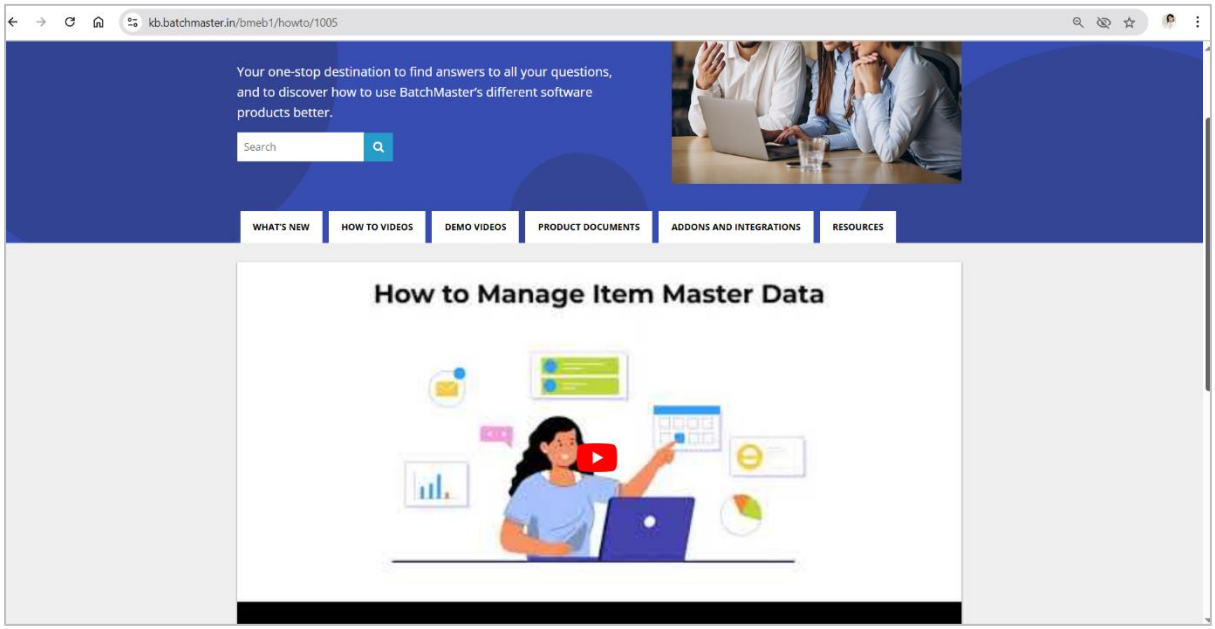
Note-(1) Where the rate is dependent on value, Shippers are required to state specifically in writing the agreed or declared value of property , as follows; "The agreed or declared value of property is hereby

I hereby declared that the content of this consignment are fully

Remit
COD To
Address

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 (for both SQL and HANA), 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

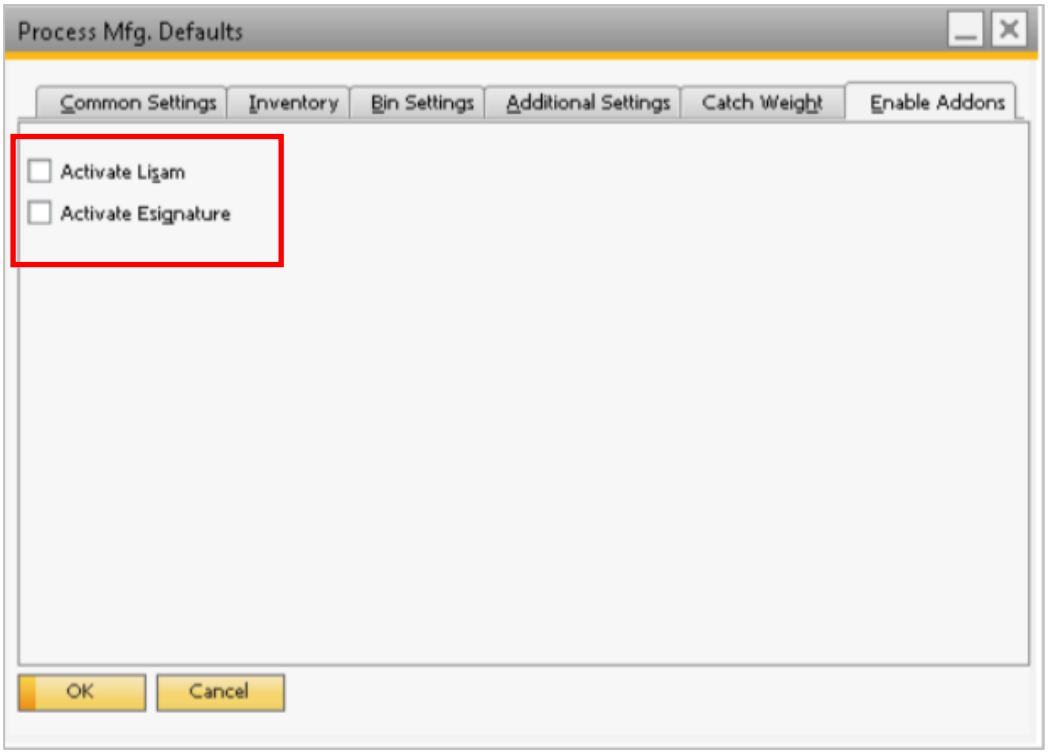
A new tab named "Enable Add-ons" has been added to the *Process Manufacturing Defaults* screen.

22.1.1Tab Features

Two checkboxes:

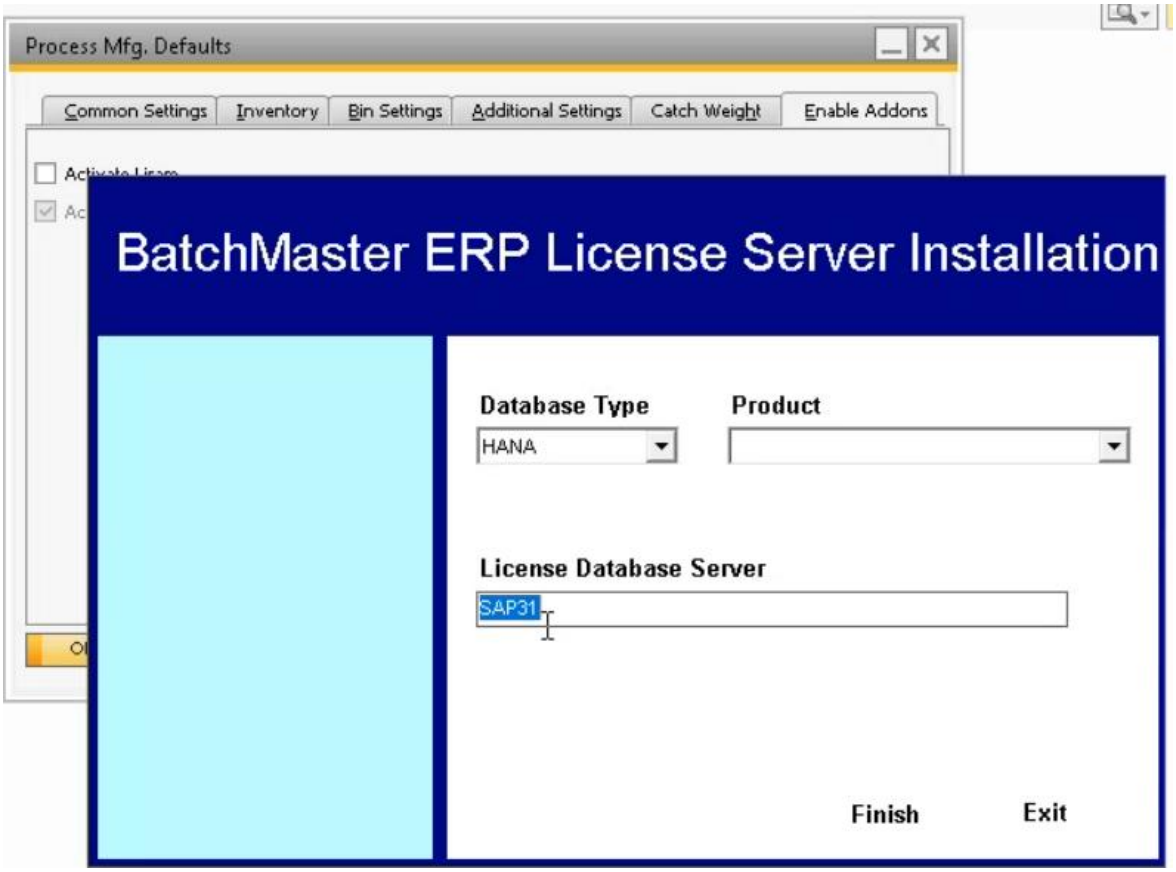
✅ Activate Lisam

✅ 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.

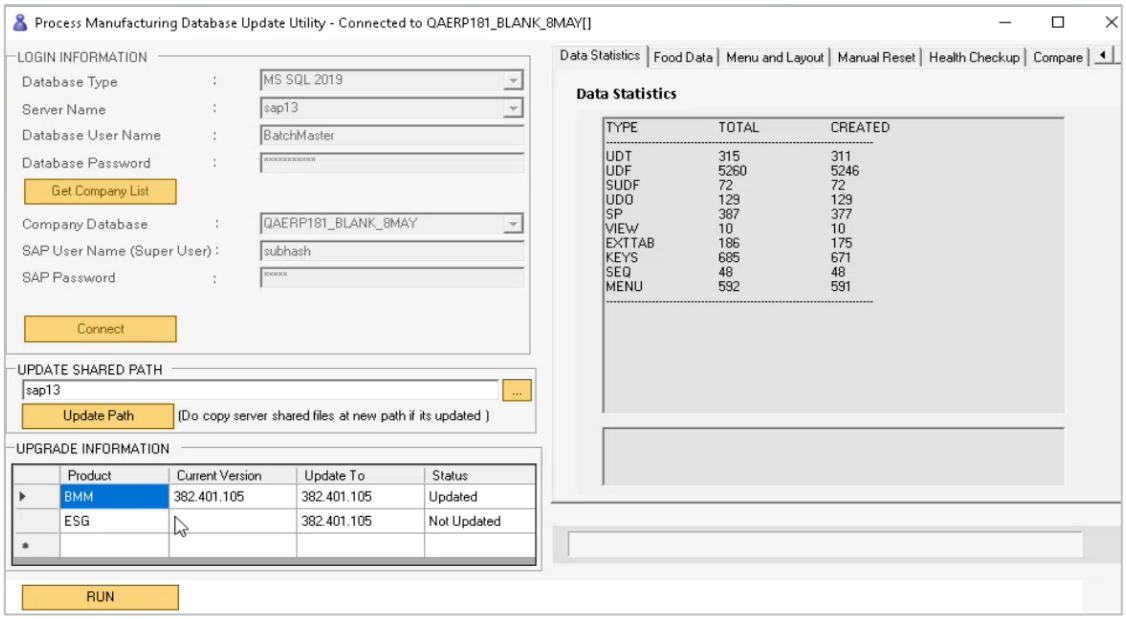


5. Import the respective license file.

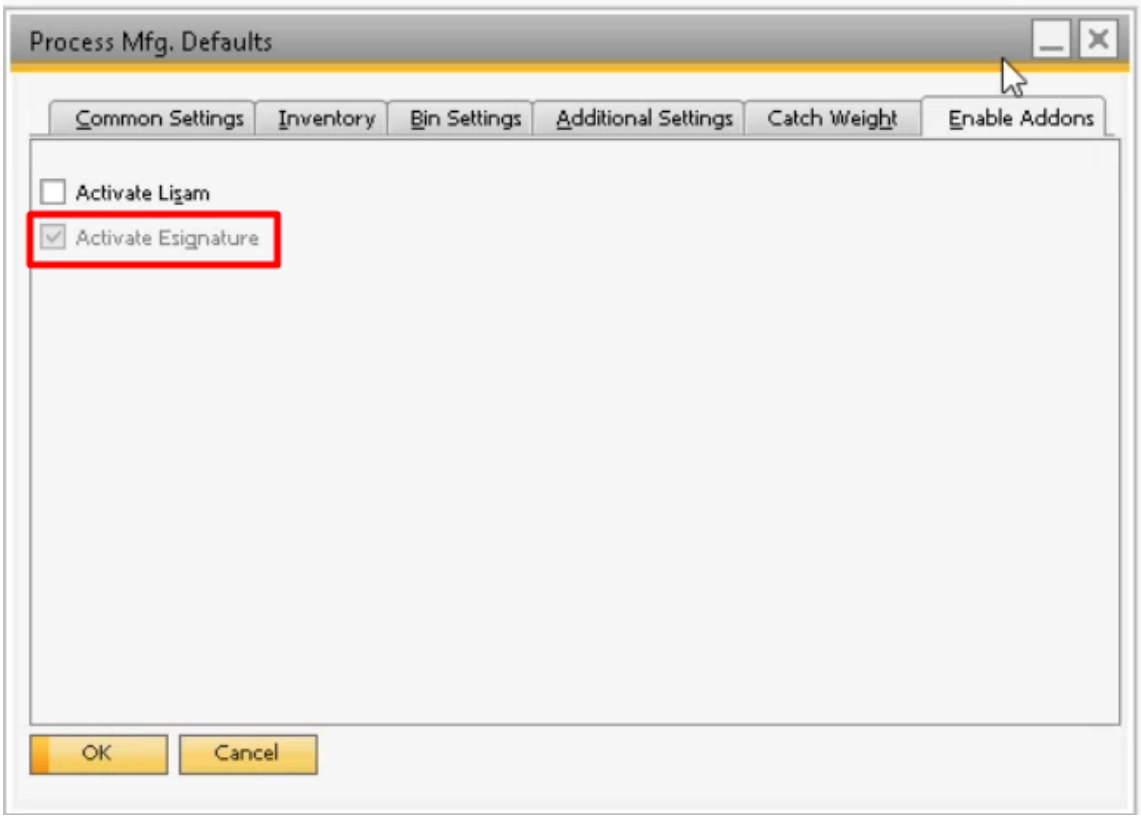
22.3 Post-License Actions

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.



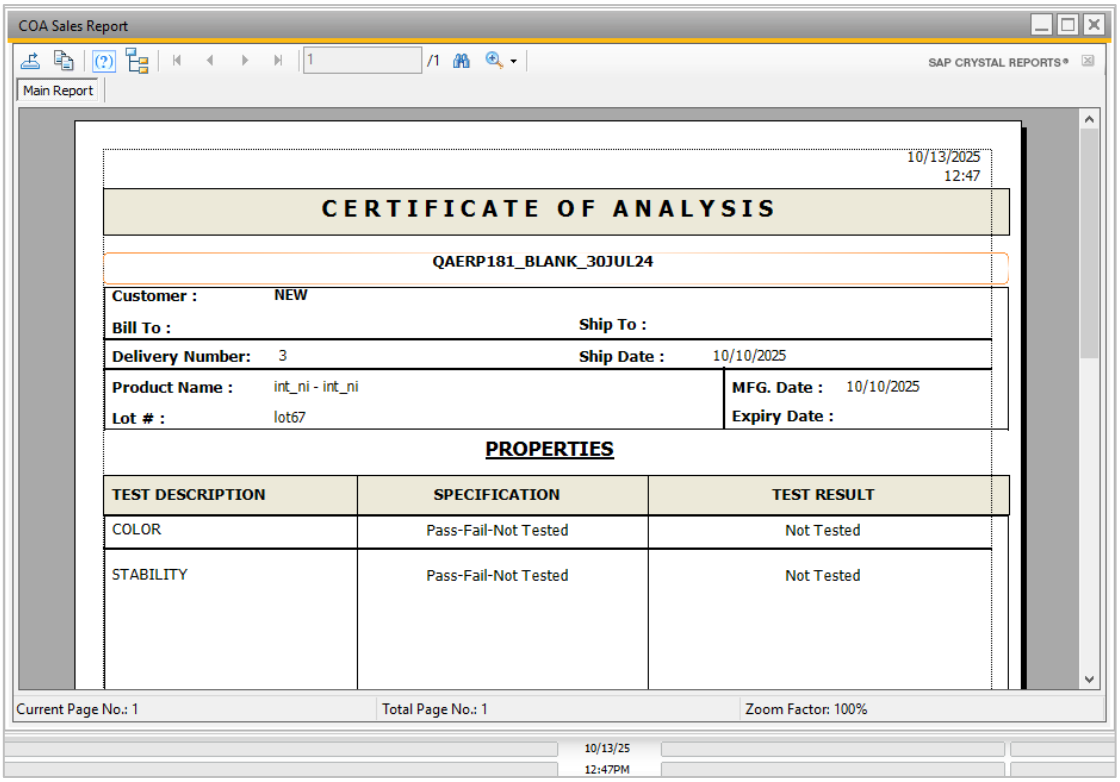
22.4 Supported Modules

1. Bill Of Material
2. Formulation
3. Inventory
4. Laboratory
5. Planning
6. Process Manufacturing
7. Process Mfg. Units of Measure
8. Product Costing
9. Purchasing - A/P
10. Quality Control
11. Sales - A/R

23 Sales CoA Report Enhancement – Inclusion of Formula QC Results

The *Sales Certificate of Analysis (CoA) Report* has been enhanced to include Formula QC results alongside Finished Goods (FG) QC data. This update ensures a more complete and accurate representation of product quality by capturing both formulation-level and final product testing outcomes.

Previously, the report displayed only Item QC results, omitting any quality control data associated with the formula. With this enhancement, Formula QC results will now appear on the *Sales CoA* report—provided the *Print CoA* checkbox is selected during the process.



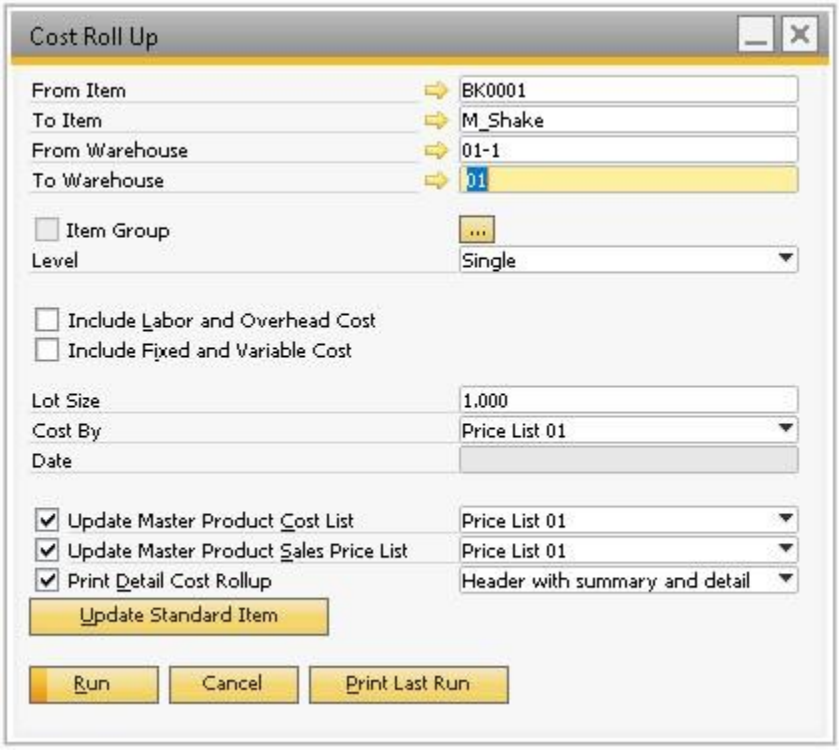
24 Cost Roll Up Report Cost By Option

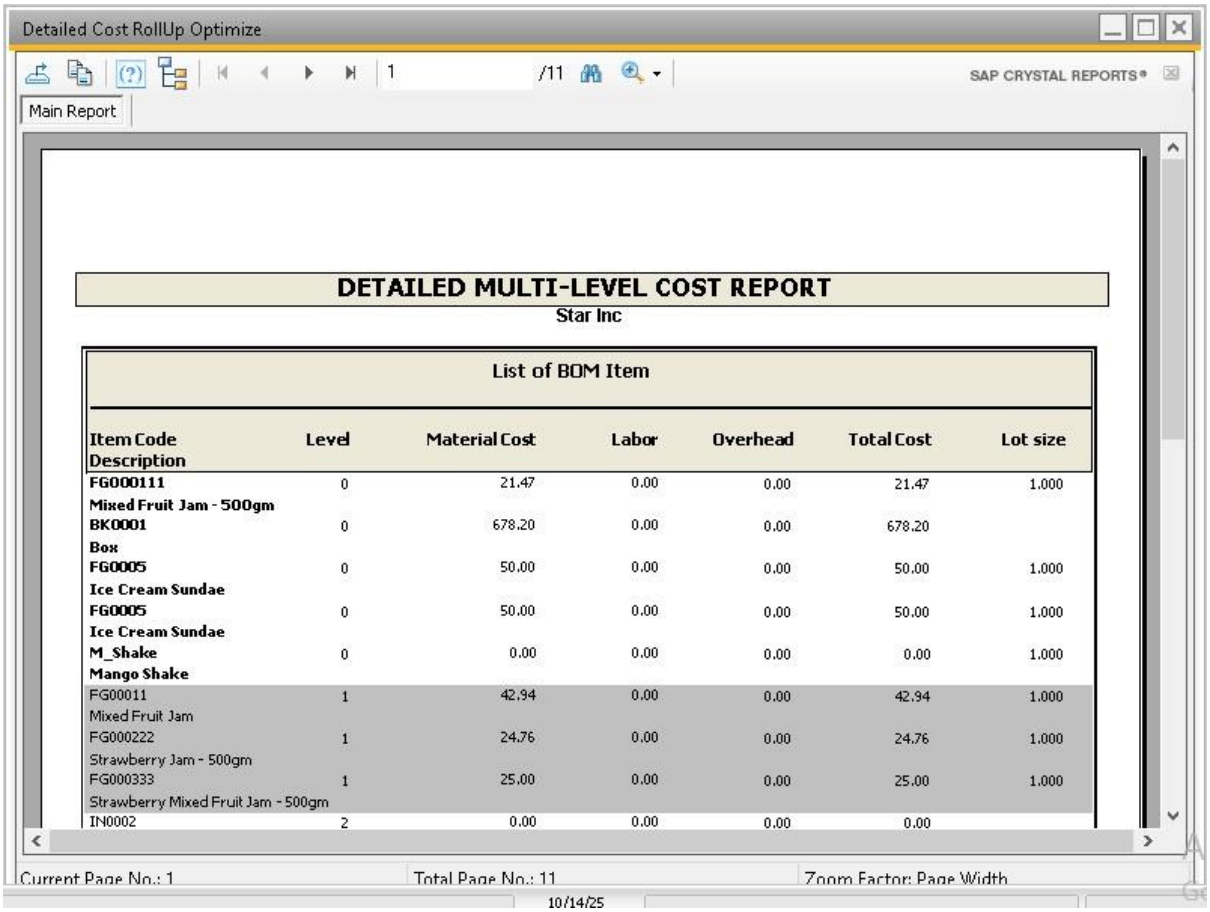
The enhancement made to the *Cost Roll-Up Report*, specifically the inclusion of the *Cost By* selection in the report output. This update ensures greater transparency and traceability of cost calculations based on user-defined criteria. This now

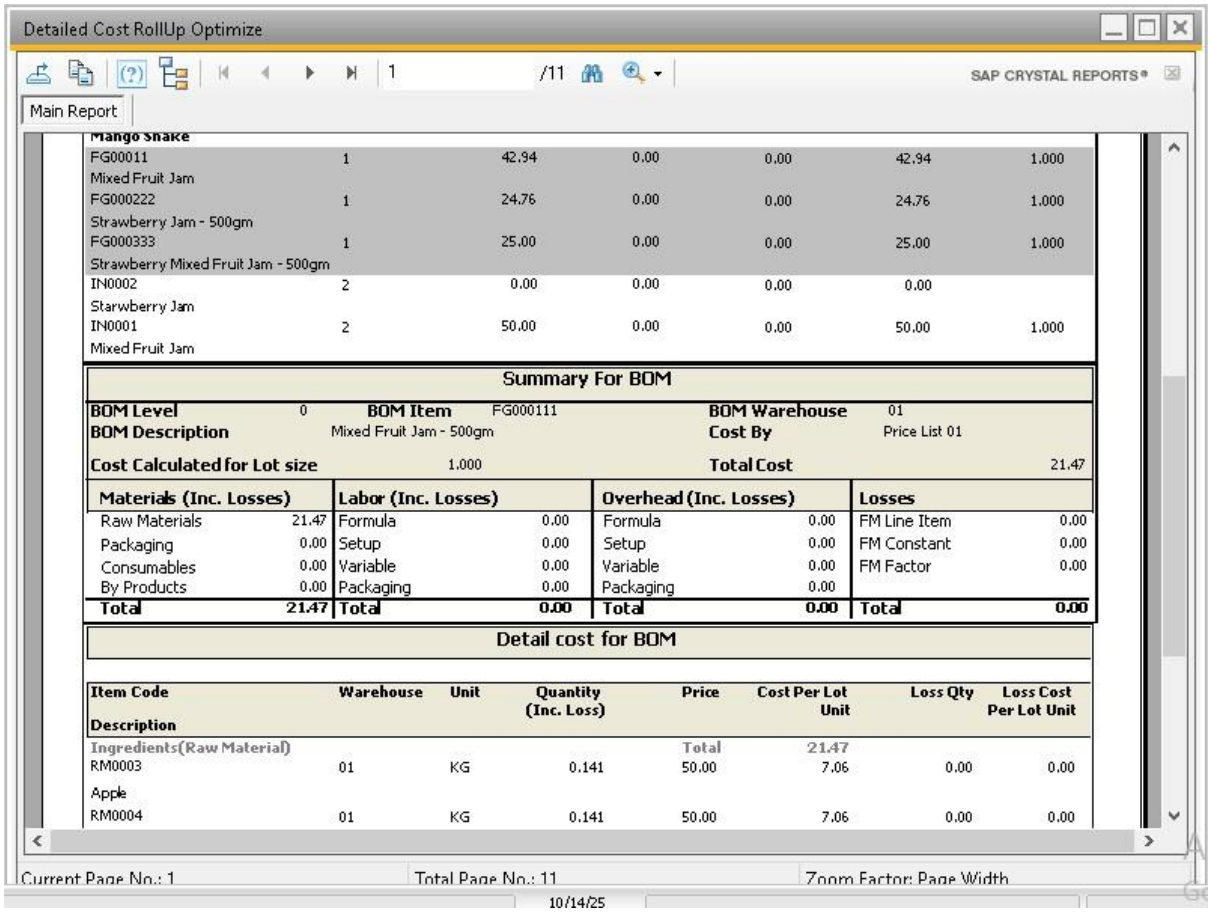
- Improves clarity of cost calculations.
- Enhances auditability and reporting accuracy.
- Aligns with user expectations for filter visibility.

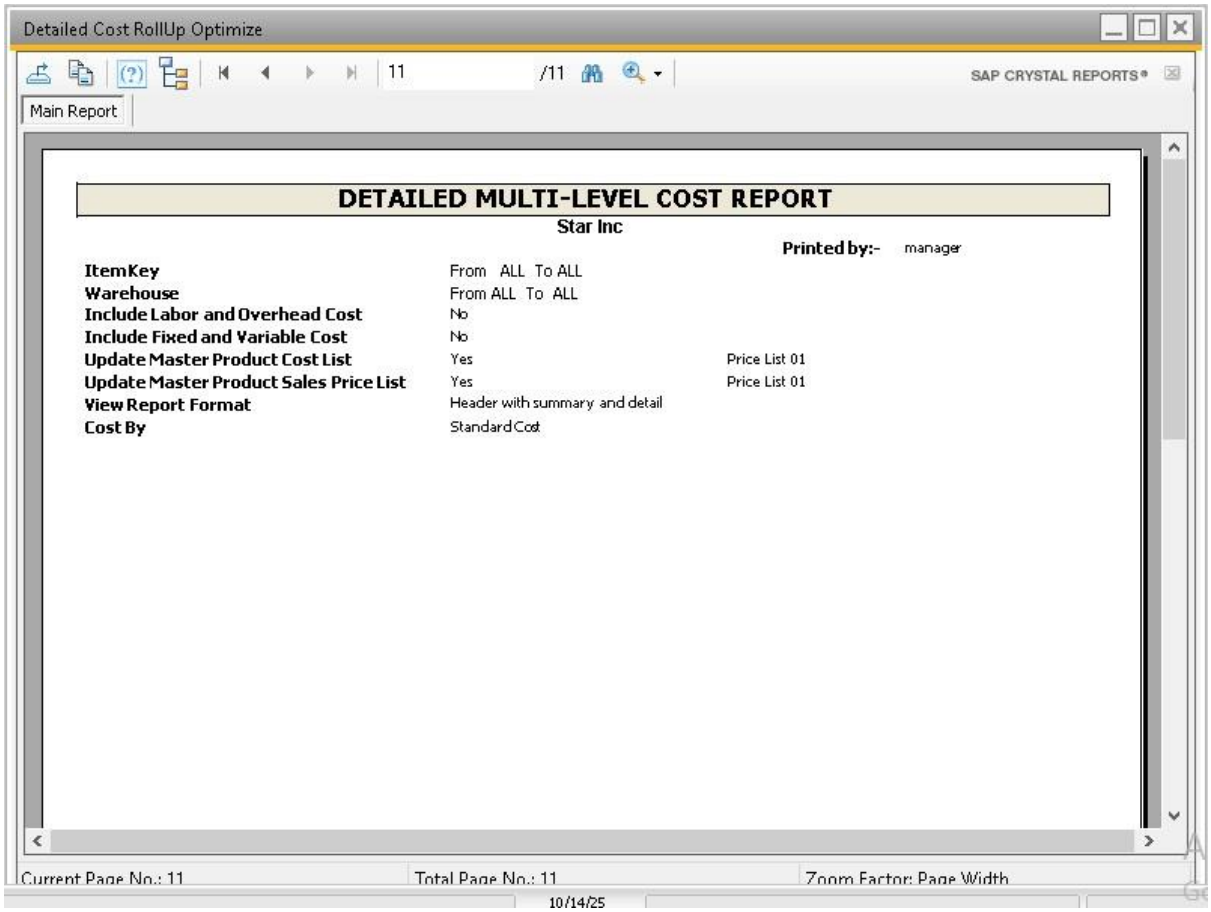
A new *Cost By* option has been added to the selection criteria of the Cost Roll-Up Report.

When users generate the report, the selected *Cost By* value will now be printed in the report output.


Cost Roll Up
From Item
BK0001
To Item
M_Shake
From Warehouse
01-1
To Warehouse
01
Item Group
Level
Single
Include Labor and Overhead Cost
Include Fixed and Variable Cost
Lot Size
1.000
Cost By
Price List 01
Date
Update Master Product Cost List
Price List 01
Update Master Product Sales Price List
Price List 01
Print Detail Cost Rollup
Header with summary and detail
Update Standard Item
Run
Cancel
Print Last Run


Detailed Cost RollUp Optimize
SAP CRYSTAL REPORTS
Main Report
DETAILED MULTI-LEVEL COST REPORT
Star Inc
List of BOM Item
Item Code
Description
Level
Material Cost
Labor
Overhead
Total Cost
Lot size
FG000111
Mixed Fruit Jam - 500gm
0
21.47
0.00
0.00
21.47
1.000
BK0001
Box
0
678.20
0.00
0.00
678.20
FG0005
Ice Cream Sundae
0
50.00
0.00
0.00
50.00
1.000
FG0005
Ice Cream Sundae
0
50.00
0.00
0.00
50.00
1.000
M_Shake
Mango Shake
0
0.00
0.00
0.00
0.00
1.000
FG00011
Mixed Fruit Jam
1
42.94
0.00
0.00
42.94
1.000
FG000222
Strawberry Jam - 500gm
1
24.76
0.00
0.00
24.76
1.000
FG000333
Strawberry Mixed Fruit Jam - 500gm
1
25.00
0.00
0.00
25.00
1.000
IN0002
2
0.00
0.00
0.00
0.00
Current Page No.: 1
Total Page No.: 11
Zoom Factor: Page Width
10/14/25


Detailed Cost RollUp Optimize
SAP CRYSTAL REPORTS
Main Report
Mango Shake
FG00011 1 42.94 0.00 0.00 42.94 1.000
Mixed Fruit Jam
FG000222 1 24.76 0.00 0.00 24.76 1.000
Strawberry Jam - 500gm
FG000333 1 25.00 0.00 0.00 25.00 1.000
Strawberry Mixed Fruit Jam - 500gm
IN0002 2 0.00 0.00 0.00 0.00
Starwberry Jam
IN0001 2 50.00 0.00 0.00 50.00 1.000
Mixed Fruit Jam
Summary For BOM
BOM Level 0 BOM Item FG000111 BOM Warehouse 01
BOM Description Mixed Fruit Jam - 500gm Cost By Price List 01
Cost Calculated for Lot size 1.000 Total Cost 21.47
Materials (Inc. Losses) Labor (Inc. Losses) Overhead (Inc. Losses) Losses
Raw Materials 21.47 Formula 0.00 Formula 0.00 FM Line Item 0.00
Packaging 0.00 Setup 0.00 Setup 0.00 FM Constant 0.00
Consumables 0.00 Variable 0.00 Variable 0.00 FM Factor 0.00
By Products 0.00 Packaging 0.00 Packaging 0.00
Total 21.47 Total 0.00 Total 0.00 Total 0.00
Detail cost for BOM
Item Code Description Warehouse Unit Quantity (Inc. Loss) Price Cost Per Lot Unit Loss Qty Loss Cost Per Lot Unit
Ingredients(Raw Material) Total 21.47
RM0003 01 KG 0.141 50.00 7.06 0.00 0.00
Apple
RM0004 01 KG 0.141 50.00 7.06 0.00 0.00
Current Page No.: 1
Total Page No.: 11
Zoom Factor: Page Width
10/14/25

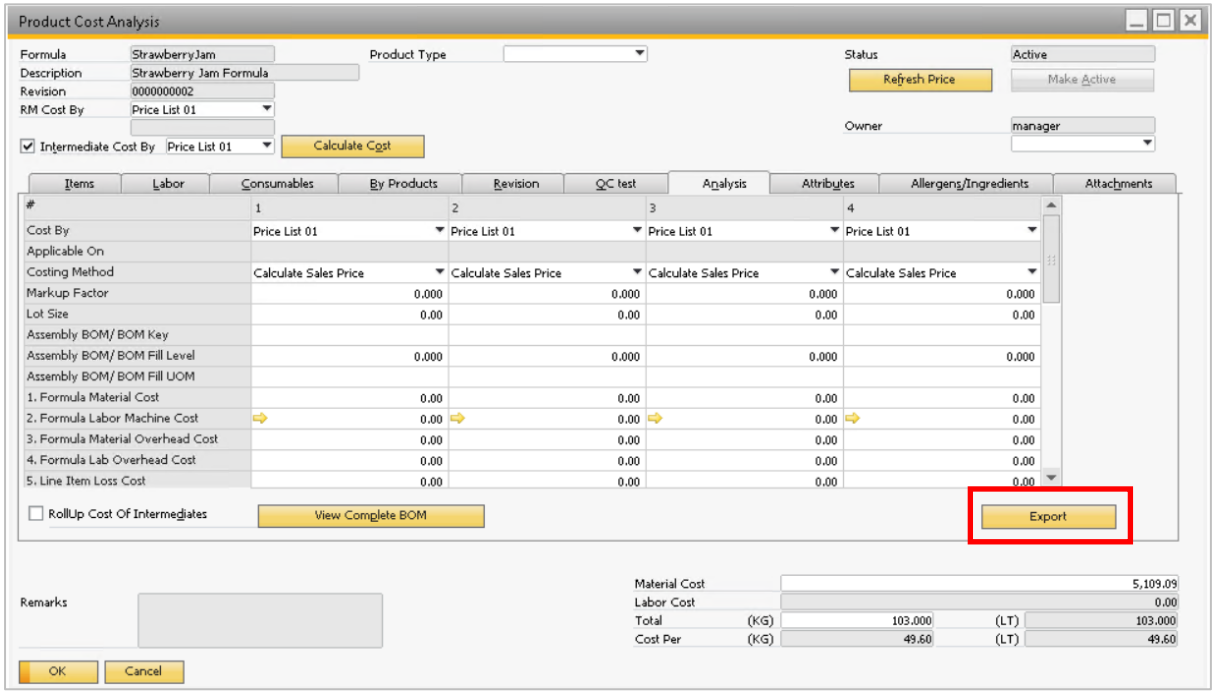

Detailed Cost RollUp Optimize
SAP CRYSTAL REPORTS
Main Report
DETAILED MULTI-LEVEL COST REPORT
Star Inc
Printed by:- manager
ItemKey From ALL To ALL
Warehouse From ALL To ALL
Include Labor and Overhead Cost No
Include Fixed and Variable Cost No
Update Master Product Cost List Yes Price List 01
Update Master Product Sales Price List Yes Price List 01
View Report Format Header with summary and detail
Cost By Standard Cost
Current Page No.: 11
Total Page No.: 11
Zoom Factor: Page Width
10/14/25

25 Product Cost Analysis Export to Excel option

The new Export to Excel functionality within the Product Cost Analysis Screen enables users to seamlessly export their cost analysis data for offline review, sharing, or further processing.

- Enhances usability and accessibility of cost analysis data.
- Supports offline analysis and documentation.
- Maintains data integrity and formatting for professional reporting.

A new Export to Excel button is now available on the *Analysis* tab of the *Product Cost Analysis* screen.

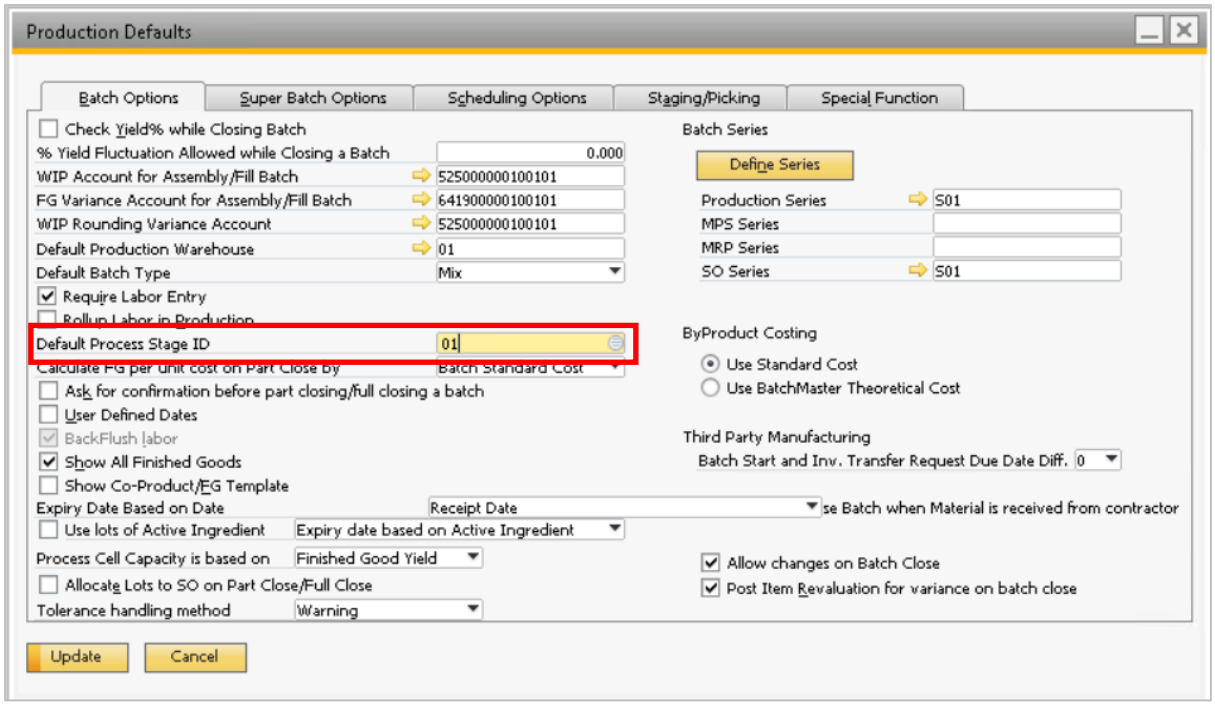


You can export the full scope of their cost analysis—including any custom costs added via Costing Defaults—into an Excel file.

26 Default and Caption Changes

26.1 Production Defaults - Batch Options Tab

The default caption "*Default Process ID*" has been changed to "Default Process Stage ID" throughout the application for better alignment with updated process terminology.



Additionally, the *Service Account Number* field has been removed from the screen, as the system now automatically retrieves the third-party service account number based on the Labor ID selected under the Third-Party tab in the BOM Entry form, reducing manual input and data redundancy.

26.2 Formula Entry – Revision Tab

In the *Formula Entry* screen, under the *Revision* tab, the field previously labeled as *Default Process ID* has now been renamed to *Default Process Stage ID* to better reflect its functional purpose. The corresponding field is now auto populated with the process stage ID by default, though users retain the option to modify it as needed.

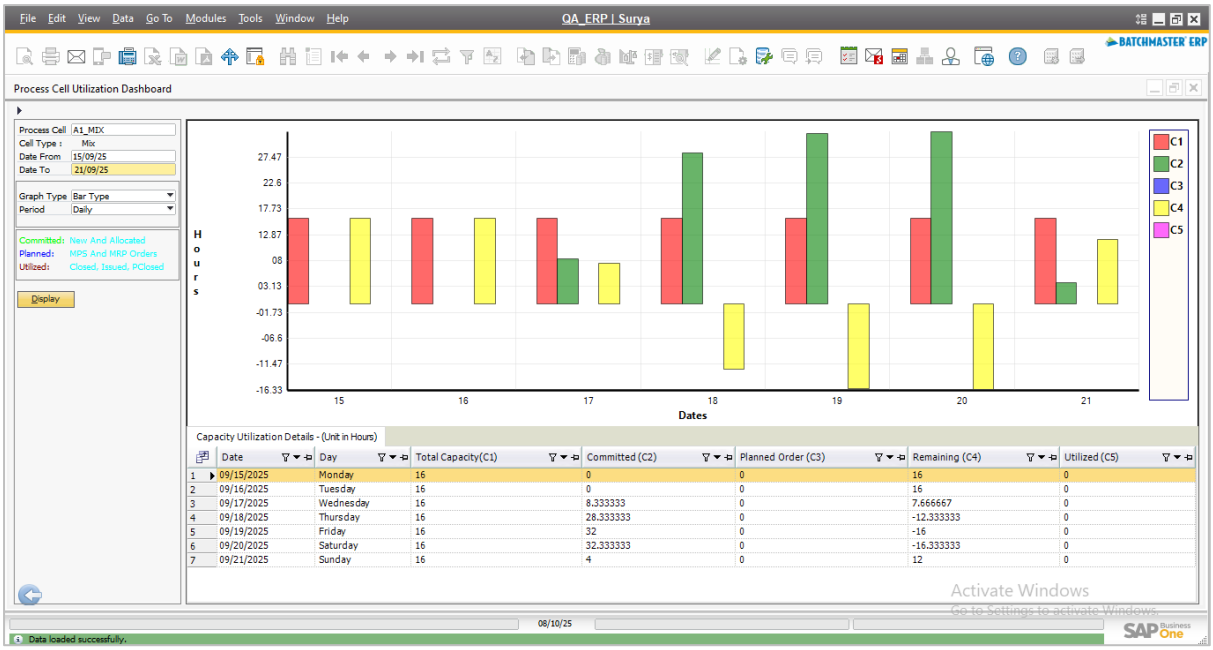
27 Process Cell Capacity Utilization Dashboard

This feature introduces a comprehensive dashboard designed to monitor and analyze the utilization of process cell capacities. It provides users with real-time visibility into planning, allocation, and actual usage metrics—empowering better decision-making in production environments.

The dashboard aims to streamline capacity planning by offering a detailed view of:

- Total available capacity
- Committed and planned workloads
- Remaining and actual utilization

You can track these metrics on a daily or weekly basis, helping optimize resource allocation and improve operational efficiency.



27.1.1Feature Scope

The dashboard includes:

- **Date Range Selector**: Enables users to choose specific dates for analysis.
- **Process Cell Lookup**: Allows selection of individual process cells with cell type visibility.
- **Graphical Visualization**: Displays utilization data in bar chart format with hours on the Y-axis and dates on the X-axis.

27.1.2 Dashboard Components

1. Process Cell Selector

- Lookup field to fetch all process cells from the database.
- Displays corresponding cell type next to the selected cell code.

2. Date Range Filter

- Calendar icon opens a date picker.
- Based on selected range, utilization is shown week-wise.

3. Graph Type

- Bar chart format for visual representation.
- Users can choose preferred graph type (initially limited to Bar).

4. Period Dropdown

- Options include "Days" to view utilization on a day-wise basis.

5. Graph Section

- X-axis: Dates
- Y-axis: Hours
- Displays weekly utilization based on selected date range.

27.1.3Capacity Utilization Details

Metric	Description
Date	Displays day-wise utilization within the selected date range.
Total Capacity (Hours)	Defined in the cell setup screen based on start and end time.
Committed (Hours)	Capacity used in New, Allocated, and Released batches.
Planned (Hours)	Capacity allocated to Planning batches.
Remaining (Hours)	Calculated as: Total Capacity – (Committed + Planned)
Utilized (Hours)	Capacity consumed in Issued, Part Closed, and Closed batches.

To enhance usability, the dashboard includes intuitive visual representations. Each metric—capacity, committed, planned, and remaining—is mapped with distinct color symbols for quick identification. A bar chart displays allocations by day and hour, allowing users to visually assess workload distribution. If the remaining capacity dips into negative, the corresponding bar extends downward, clearly indicating overutilization. This visual cue helps users validate capacity breaches instantly and take corrective action proactively.

28 Item-Wise Backflush Functionality

The Item-Wise Backflush functionality introduces flexibility in production processing by allowing users to configure backflushing at the individual item level. Previously, when the Backflush option was enabled, it applied globally to all raw materials and BOM items, automatically issuing every item without distinction. This enhancement provides item-level control, enabling selective automation and reducing unnecessary material issuance.

In the current setup, enabling the Backflush option in the database automatically issues all raw materials and BOM items during production, with no ability to differentiate between items. This all-or-nothing approach limited user control and sometimes led to over-issuance.

To overcome this limitation, a new User-Defined Field (UDF) titled Backflush Item has been introduced in the Item Master Details screen. This field includes a checkbox that allows users to specify whether an item should be backflushed automatically or issued manually.

The configuration selected here will reflect across related production transactions such as Formula Entry, BOM Entry, and Batch Ticket screens. Editable “Backflush” columns are added where applicable, allowing users to override defaults as needed.

- Implementation of *Item-Wise Backflush* functionality with configuration controls in *Production Defaults* and *Item Master Details*.

- Display and management of the new *Backflush* field across *Formula Entry, BOM Entry, Batch Ticket, and Material Issue screens.*
- Support for *Production Dashboard* updates, including selective item backflush control.
- Maintenance of existing Full Batch Backflush behavior for backward compatibility.

28.1 Benefits

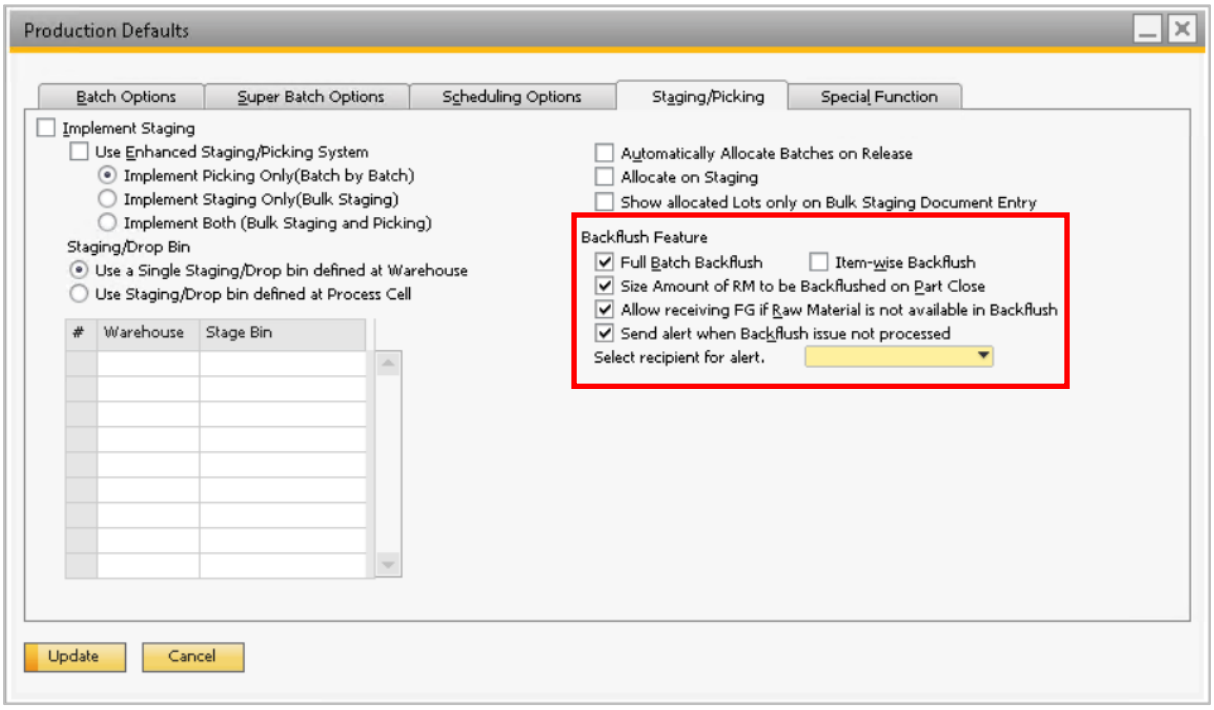
- Provides granular control over raw material backflushing.
- Reduces over-issuance and improves inventory accuracy.
- Enhances production flexibility with minimal user intervention.
- Ensures seamless integration and backward compatibility for existing customers.

28.2 Functional Details

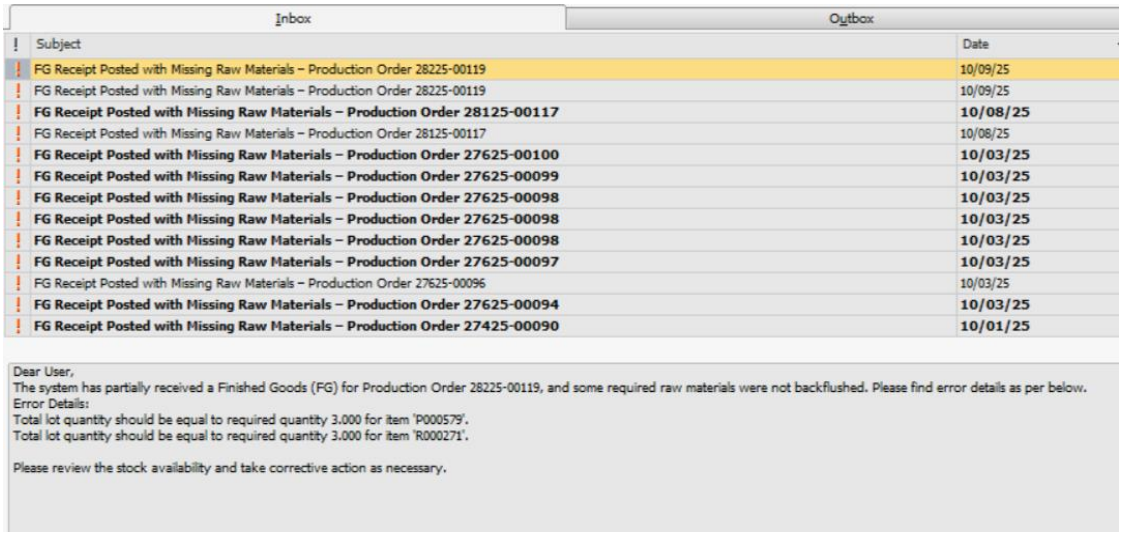
28.2.1 Production Defaults Enhancements

- The existing caption Backflush Raw Material under the *Staging/Picking* tab is renamed to *Full Batch Backflush***.**
- A new checkbox labeled *Item Wise Backflush* is added to enable item-specific backflush functionality.
- If Full Batch Backflush is selected, the system will follow the existing behavior — all raw materials will be automatically backflushed.
- If *Item Wise Backflush* is selected, the system will apply the backflush setting based on each item's configuration in the *Item Master Details***.**
- Only one of the two options (*Full Batch Backflush* or *Item Wise Backflush*) can be selected at a time.
- Selecting either of these options will automatically enable the *Size Amount of RM to be Backflushed on Part Close* checkbox.
- Backflush Feature:
    - **Allow FG Receipt Without RM Availability:** The Allow FG Receipt Without RM Availability feature enables users to record Finished Goods (FG) receipts even when required raw materials are unavailable during the backflush process. The system displays a warning message indicating the reason—such as stock shortage or configuration issues—while still allowing the receipt to proceed, thereby supporting flexible and uninterrupted production operations.
    - **Send Alert on Backflush Failure:** The Send Alert on Backflush Failure feature automatically triggers a notification when a backflush fails during the Finished Goods

(FG) receipt process. The alert includes detailed error information and is sent to the designated user, ensuring timely awareness and prompt corrective action.

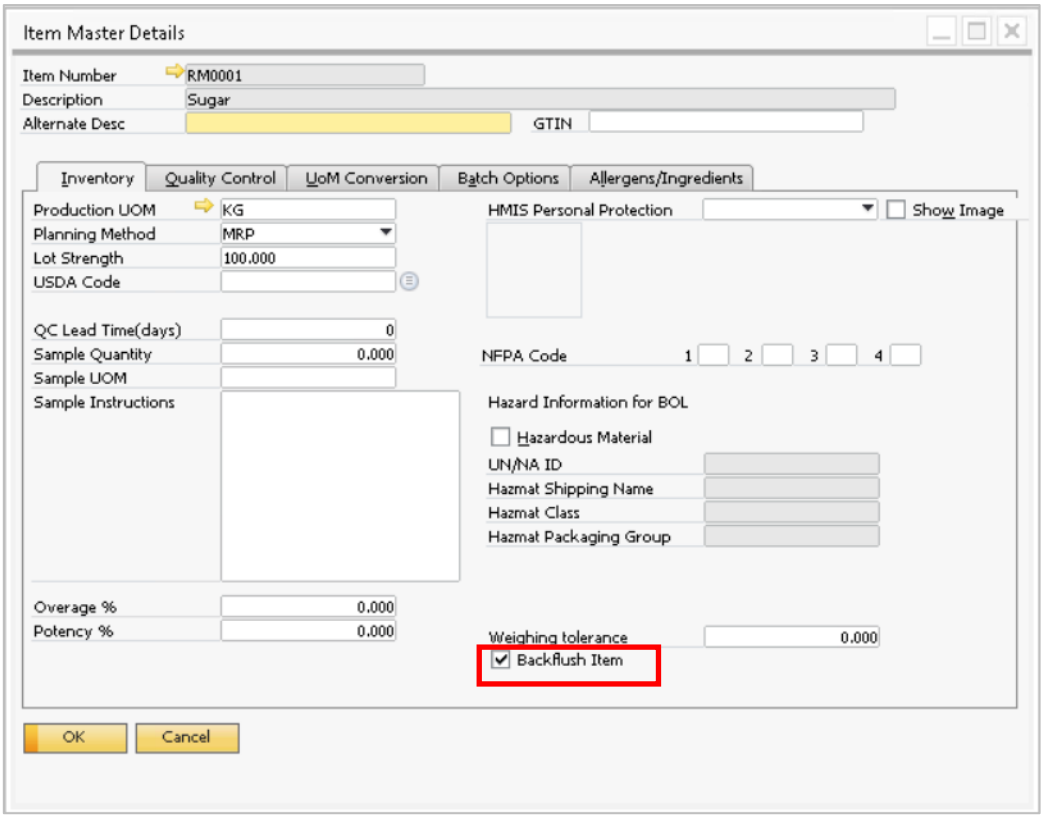


- **Select Alert Recipient:** The Select Alert Recipient feature activates a dropdown menu when the alert checkbox is selected, allowing users to designate a recipient for notifications. This ensures clear accountability and timely follow-up on system alerts.



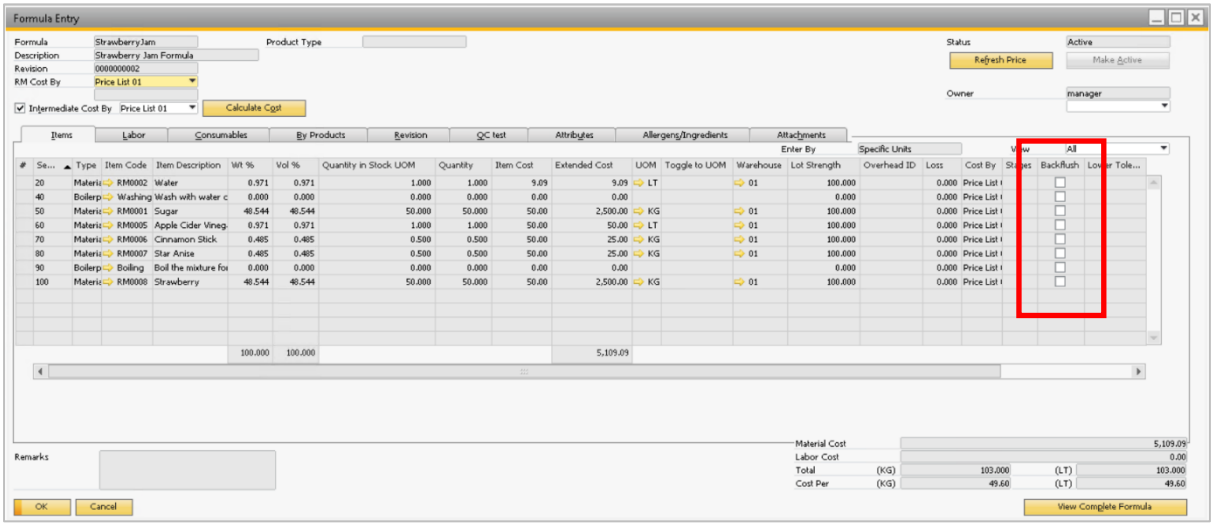
28.2.2 Item Master Details Update

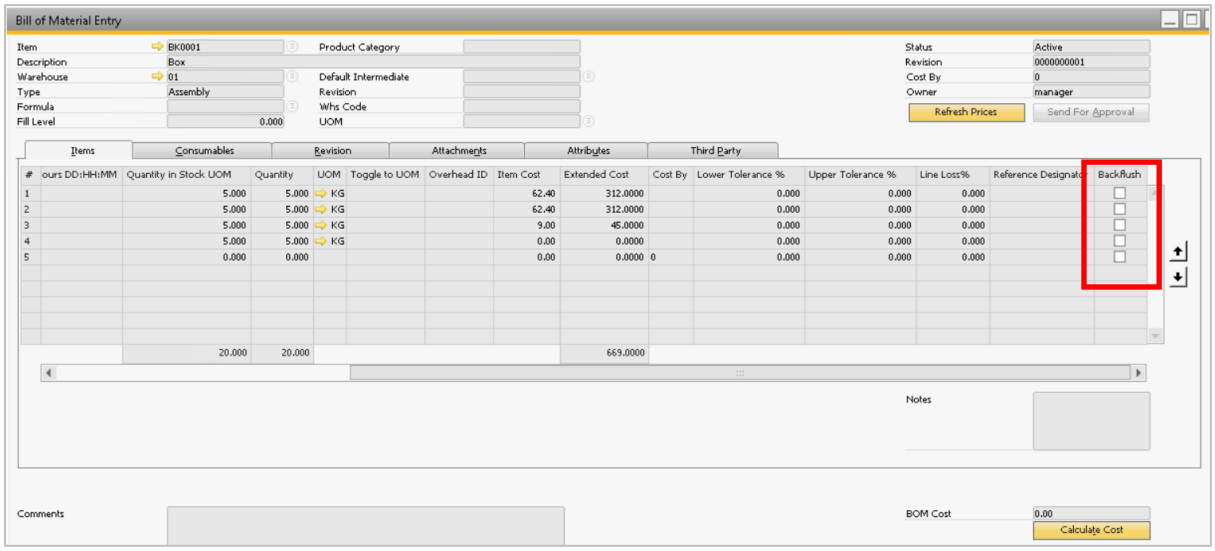
- Under the *Inventory* tab, a new field named *Backflush Item* checkbox is added.
- When checked, the item is designated for automatic backflush during production.
- When unchecked, the item must be manually issued in the *Material Issue screen*.

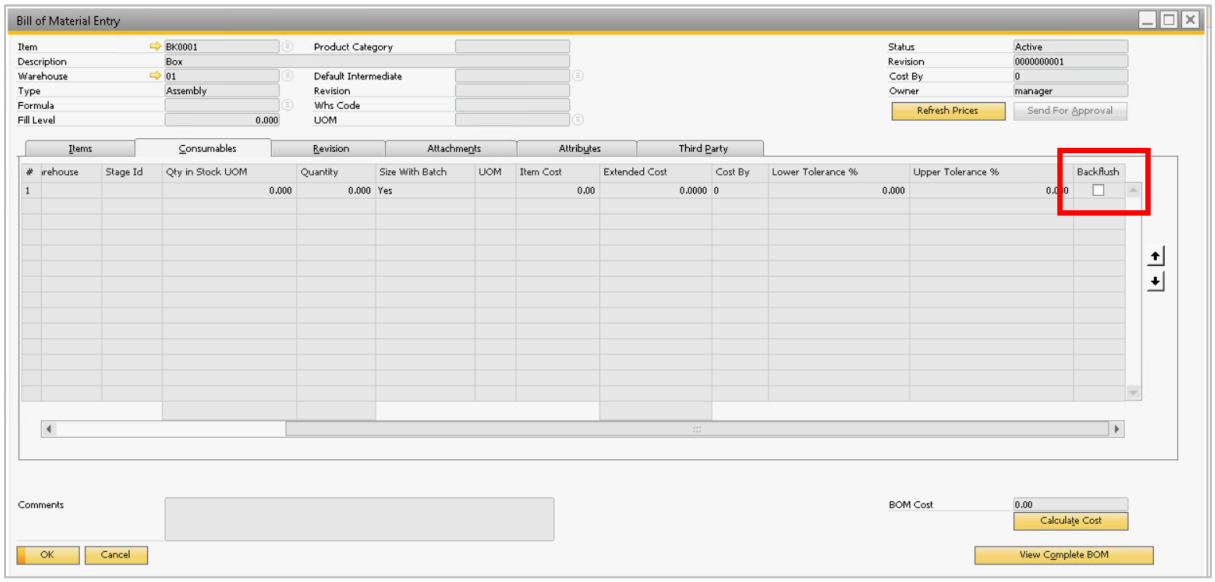


28.2.3 Formula Entry & BOM Entry Enhancements

- A new editable *Backflush* column is added under both *Items* and *Consumables* tabs.
- The default value in this column is fetched from the *Item Master Details* configuration.
- Users can modify the checkbox value (check/uncheck) as required for specific production needs.

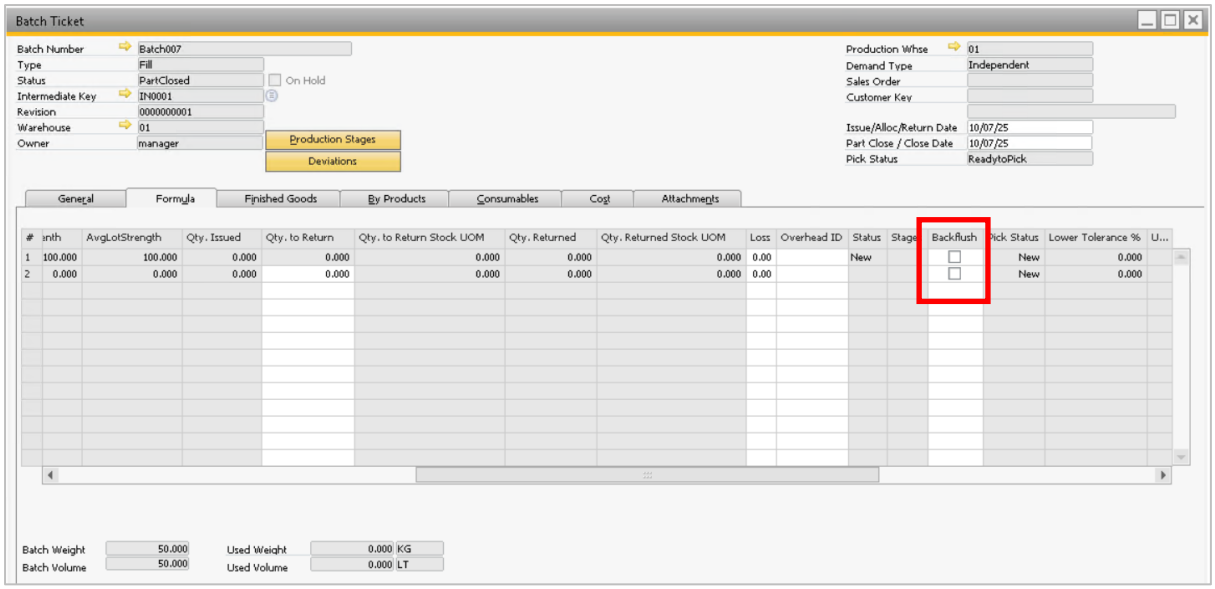






28.2.4 Batch Ticket, Batch Close & Super Batch Close

- A *Backflush* column is displayed on these screens.
- Values are auto fetched based on the configurations from Formula and BOM entries.
- Users can override the checkbox in the *Batch Ticket* screen if necessary.
- If a new item is added manually, the Backflush value will default based on the *Item Master Details* configuration.

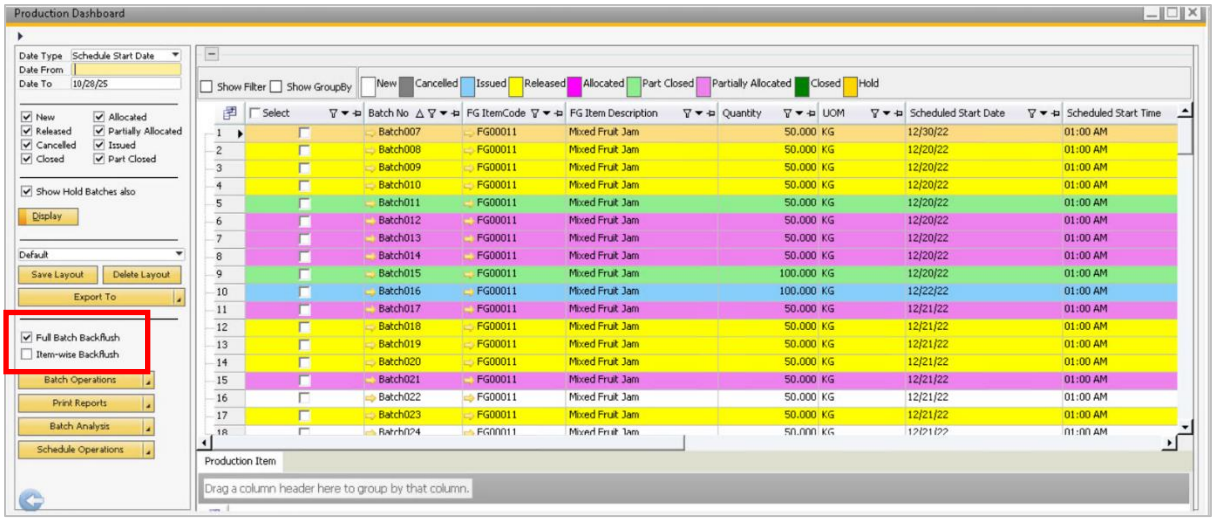


28.2.5 Material Issue Screen Behavior

- Only non-backflush items (where checkbox = unchecked) are displayed for manual issue.
- If users wish to manually issue a backflush item, they must first deselect the Backflush checkbox in the *Batch Ticket* screen.
- Upon reopening the *Material Issue* screen, the item will become available for manual issuance.
- When *Size Amount of RM to be Backflushed* option is checked, the system will proportionately issue quantities of raw materials and packaging items during Partial Close based on the FG quantity received.

28.2.6 Production Dashboard Enhancements

- The *Production Dashboard* now honors *Item-Wise Backflush* configuration.
- A new *Item Wise Backflush* checkbox is added alongside *Full Batch Backflush*.
- If *Item Wise Backflush* is selected:
    - The dashboard will issue only the items marked for backflush.
    - The *Issue Materials* screen will open for remaining (non-backflush) items.
    - If multiple production orders are selected, a message will prompt:
      "Full Batch Backflush is not selected. Select only one row."
      (This prevents multiple issue screens from opening simultaneously.)
- If the user switches from *Item Wise Backflush* to *Full Batch Backflush*, the system will revert to the existing functionality where all materials are backflushed, ignoring item-specific settings.



28.2.7 Validations & Compatibility

- During upgrade, both *Item Wise Backflush* and *Backflush Item* checkboxes will default to unchecked for all existing records.
- For customers using the existing Backflush functionality, *Full Batch Backflush* will be automatically selected to maintain backward compatibility.
- The system will ensure that both *Full Batch Backflush* and *Item Wise Backflush* cannot be selected simultaneously.
- All new columns and fields will be included in DTW Templates for *Item Master Details, Formula, and BOM.*

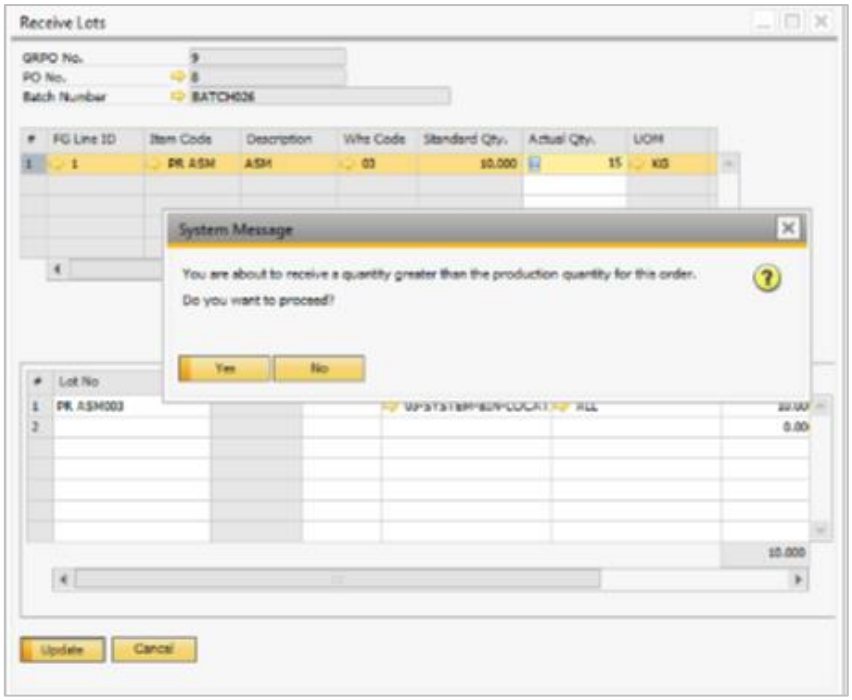
29 Handling Extra Finished Goods Quantity with Backflush in Third Party Manufacturing Batches

This feature introduces a system validation mechanism during the Finished Goods receipt process in third party to prevent unintentional over-receipts beyond the defined production quantity. It enhances data accuracy and inventory control by alerting users whenever they attempt to receive quantities exceeding the planned production batch quantity

When a user enters a value in the Actual Quantity that exceeds the Standard Quantity for the corresponding production order, the system triggers the following validation message:

“You are about to receive a quantity greater than the production quantity for this order.
Do you want to proceed?”

- **Yes:** Allows the user to proceed with receiving the entered quantity.
- **No:** Cancels the action, enabling the user to revise the quantity before saving.


Receive Lots
GRPO No.
PO No.
Batch Number
BATCH026
FG Line ID
Item Code
Description
Whs Code
Standard Qty.
Actual Qty.
UOM
System Message
You are about to receive a quantity greater than the production quantity for this order.
Do you want to proceed?
Yes
No
Lot No
Update
Cancel