RESOLV QUALITY CONTROL MANAGEMENT

USER MANUAL
Version 10.0

PRESENTED BY
VISTAVU SOLUTIONS

Resolv Quality Control Management is part of the Resolv Suite, which has been certified by SAP as conforming to SAP's standards for Business One add-on solutions.

SAP® Certified
SAP Business One Integration

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RESOLV QUALITY CONTROL MANAGEMENT

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Introduction

If your company wants to monitor quality throughout their facility, then you need the *Resolv Quality Control Module*. This module allows you to track and check quality based on quality parameters.

The *Resolv Quality Control Module* has been designed to track quality control at the Purchasing Module, Production Module and for Inventory Transfers. It will also track quality control during stock movements like Good Receipt, Good Issue and Sales Returns.

Resolv Quality Control Module includes the following features:

Quality control is applicable in the following screens:

- GRPO
- Receipt from Production
- Good Receipt
- Sales Return
- Inventory Transfer

Setup and Configuration:

- Quality control configuration
- Parameter definition
- Parameter mapping
- Rejection reason
- Testing tools

Quality Control Processing:

- Pending Inspection
- Pending Disposition

Reports:

- Inspection Conforming
- Inspection Non-Conforming

Resolv Quality Control Configuration and Setup

In the Setup of the **Resolv Quality Control Module**, we have five sub folders that make up our Quality Control process

This module can be found:

Administration > Resolv setup > Resolv Quality Control

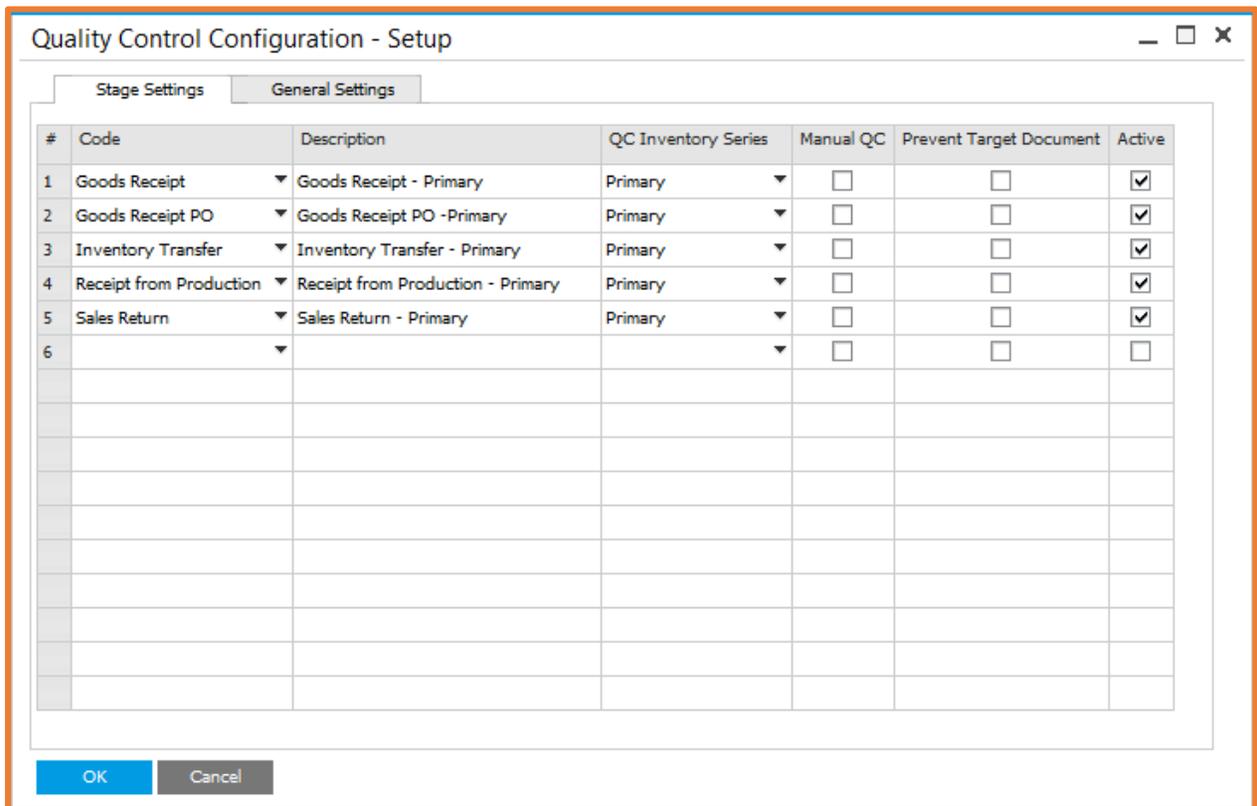The five sub folders contained within the Quality Control Folder are:

- QC Control Configuration
- Parameter Definitions
- Rejected Reasons
- Parameter Mapping
- Testing Tools

QC Control Configuration

QC Control Configuration allows us to select the Modules in which the user will use Quality Control. The system allows for use on the following Modules:

- GRPO
- Receipt from production
- Good receipt
- Sales return
- Inventory Transfer

Stage Settings Tab

This screen includes the following Settings:

Field	Activity/Description
Code	Select the Code which means user must select the document on which user wants Quality check.

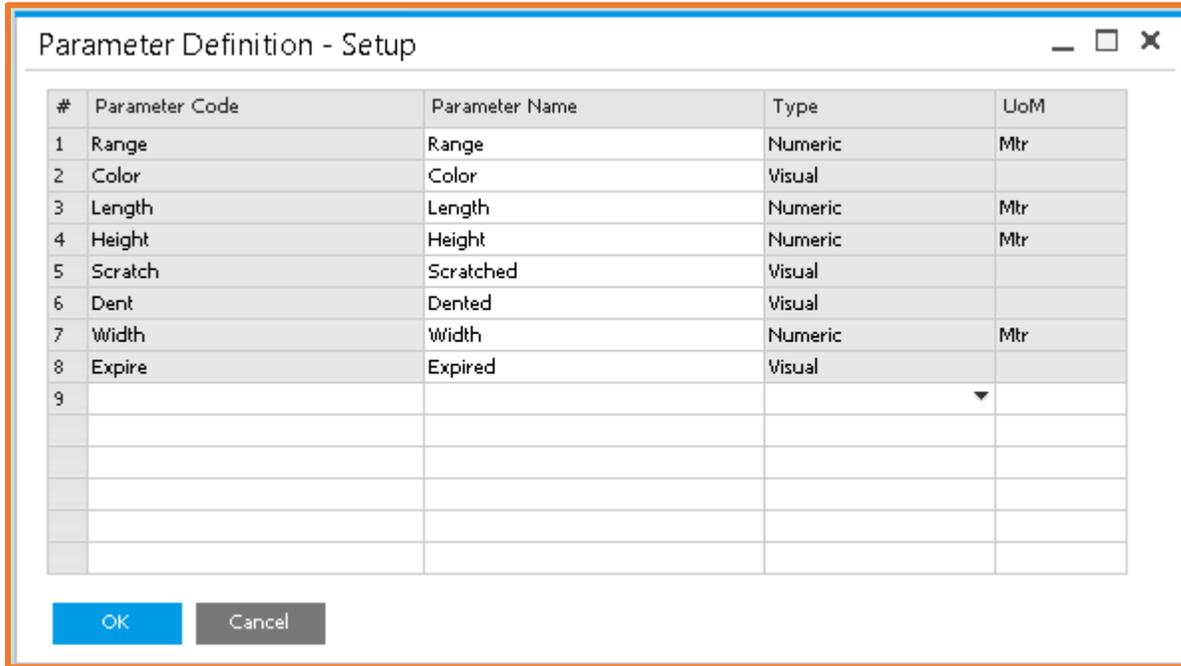|	
Description	Enter the description of the stage.
QC Inventory series	Select the Document series which will use for QC transactions
Manual QC	Select the Manual QC option to transfer the material manually for Quality Inspection
Active Check Box	Select Active against QC applicable stages

General Setting Tab
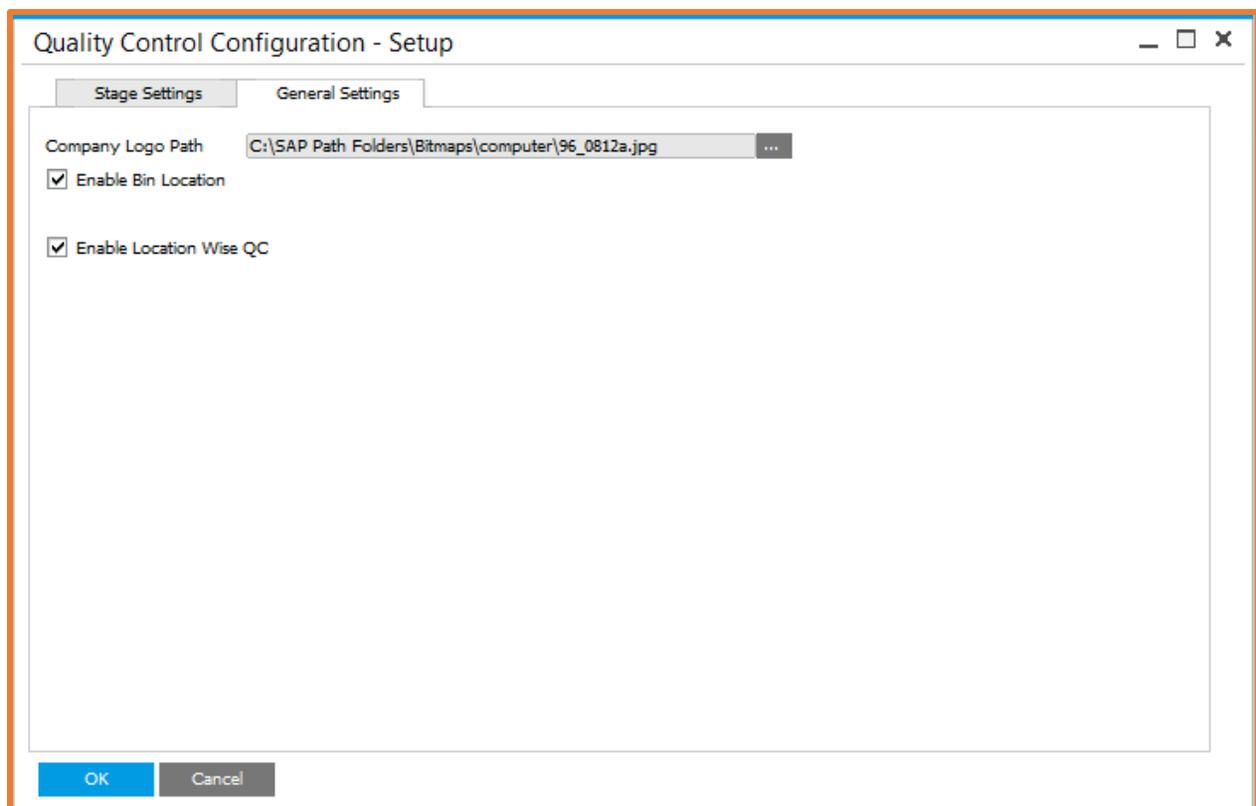
In this screen we have the following features:

- Browse the Company logo to display in reports.
- Enable Bin Location option to activate the bin wise Quality check.
- Enable Location wise QC option to activate the location wise Quality check.

Clicking the **OK** button will successfully save this record into the system.

Parameter Definition

The Parameter Definition is used to define the various parameters of an item that can be further used in the quality checking i.e., Shape, Fitting, Gauge, SF, Color and Length. The QC Parameters can be defined at the Company level and can be further attached to specific items.
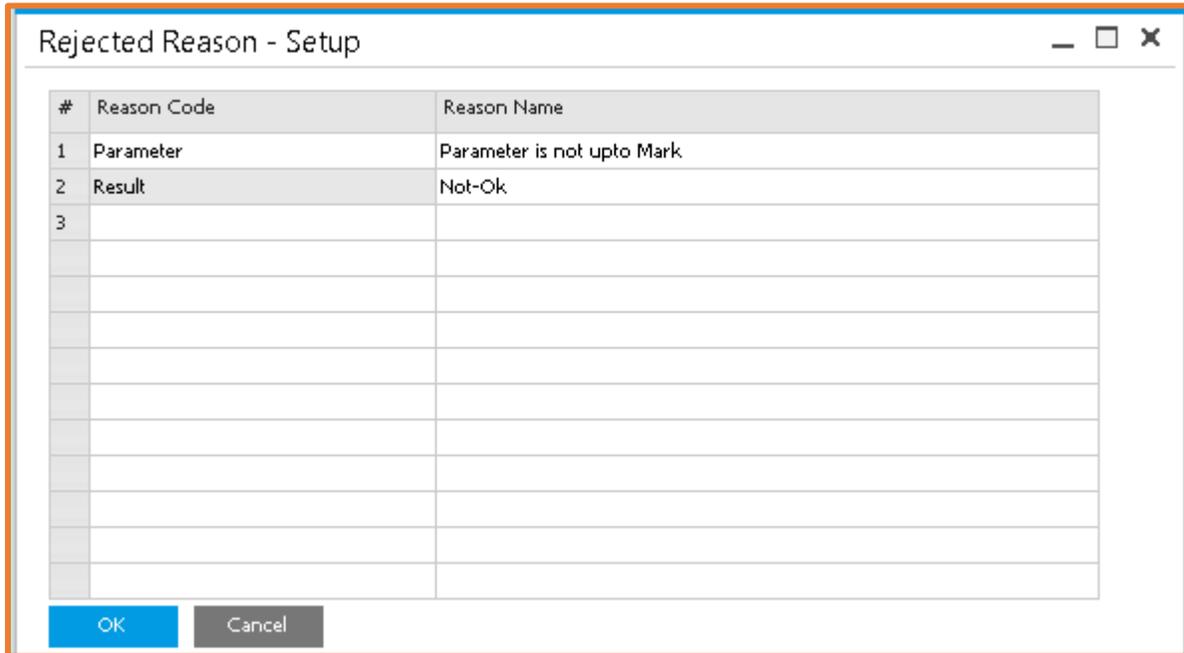

This screen includes the following information:

Field	Activity/Description
Parameter Code	Enter the Parameter Code in the respective column.
Parameter Name	Enter the Parameter Name in the respective column.
Type	Enter the Type in the respective column. There are two parameter types namely Visual and Numeric defined in the system, to check the quality of different items.
Unit of Measurement	Enter the UoM in the respective column. The unit of measurement can be cm, meter, gram, gram/mtr, kg etc. depending on the item to be checked.

Rejected Reason

The Rejected Reason form allows you to define various reasons to reject an item.

Note: The reason code / name cannot be deleted or modified once it is used for any item.

#	Reason Code	Reason Name
1	Parameter	Parameter is not upto Mark
2	Result	Not-Ok
3		

Rejected Reason - Setup

OK   Cancel

This screen includes the following fields:

Field	Activity/Description
Reason Code	Enter the Reason Code (Alphanumeric (10)) in the respective column. It should be unique.
Reason Name	Enter the Reason Name (Alphanumeric (100) in the respective column

Parameter Mapping

The Parameter Mapping screen allows you to map specific item parameters with respect to things like Lower limit, Upper Limit and Acceptable variance.

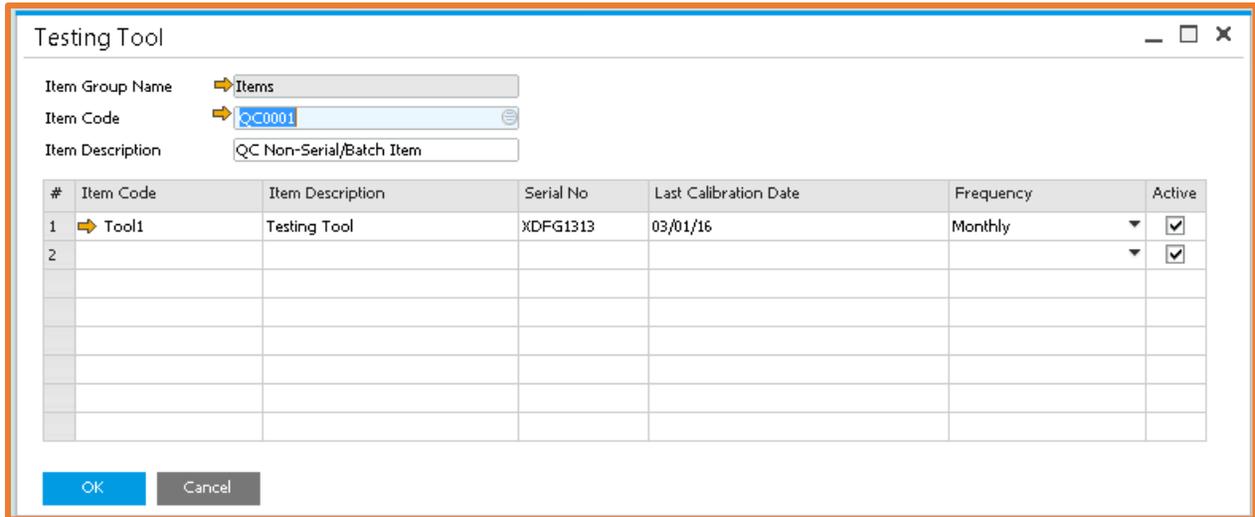| Field	Activity/Description
Headers Field	
Item Group Name	Enter the Item Group in case to define the parameter item group wise and it will be applicable for those items which are lying in the selected item group.
Item Code	Enter the Item Code for the parameter mapping. On clicking, it will display the list of all items that needed QC. On selecting any, the description of the same will be displayed in the item description box
Item Description	This will come on the selection of above field (Item Code)
BP Code	Enter the BP Code in case to define the parameter Business Partner wise. On selecting any, the description of the same will be displayed in the BP Name field.
BP Name	This will come on the selection of above field (BP Code)

Row Fields Details

Stage Code	Select the Stage Code of QC which is applicable for selected item/item group
Parameter Code	Select the Parameter Code for the parameter mapping. On selecting this drop down, all the values defined in 'Parameter Definitions' will be displayed.
UOM	Enter the values for various parameter types like 'Lower Limit, Upper Limit, Variance, Visual, Frequency, Frequency Value, Sample, Sample Size, BIS, and STP.
Lower Limit	Define the lower limit in case of numeric type parameter
Upper limit	Define the upper limit in case of numeric type parameter.
Variance (%)	Define the variance in % allowed beyond the defined Lower limit and Upper Limit.
Visual	Define the Visual value in case of Visual type parameter.
Frequency	1. Select **Always** option to do the QC on each transaction. 2. Select **Every X receipt/Lot** option to do the QC based on
Frequency Value	If user selects 'Always' option in Frequency field, then '1' will be displayed by default in this field. In case of 'Every X receipt/Lot' user must define the frequency value after which the material will be transferred for QC inspection.
Sample	X Percent/Number of Receipt/Lot
Sample Size	User will enter Sample size value.
BIS	Define the BIS value in the field for information purpose
STP	Define the STP value in the field for information purpose

Testing Tools

The Testing tools form is used to define the testing tool which will be used in the quality process, to test the items.

Field	Activity/Description

Header Field

Item Group Name	Enter the Item Group Name
Item Code	Select the item code for which user want to use testing tools
Item Description	Description will be based on above selection.

Details field

Item code	Enter the item code of the testing tool
Item Description	Description will come automatically.
Serial No.	User will enter the serial number of the testing tool
Last calibration date	Enter the last calibration date
Frequency	Enter the frequency
Active	User can make item code active or deactivate the same.

Warehouse Configuration

When using Quality Control, the items will need to be transferred to different warehouses during the QC inspection process; Not Ok, Rework or Rejection. To do so we need to configure these in the standard SAP Warehouses Setup screen.
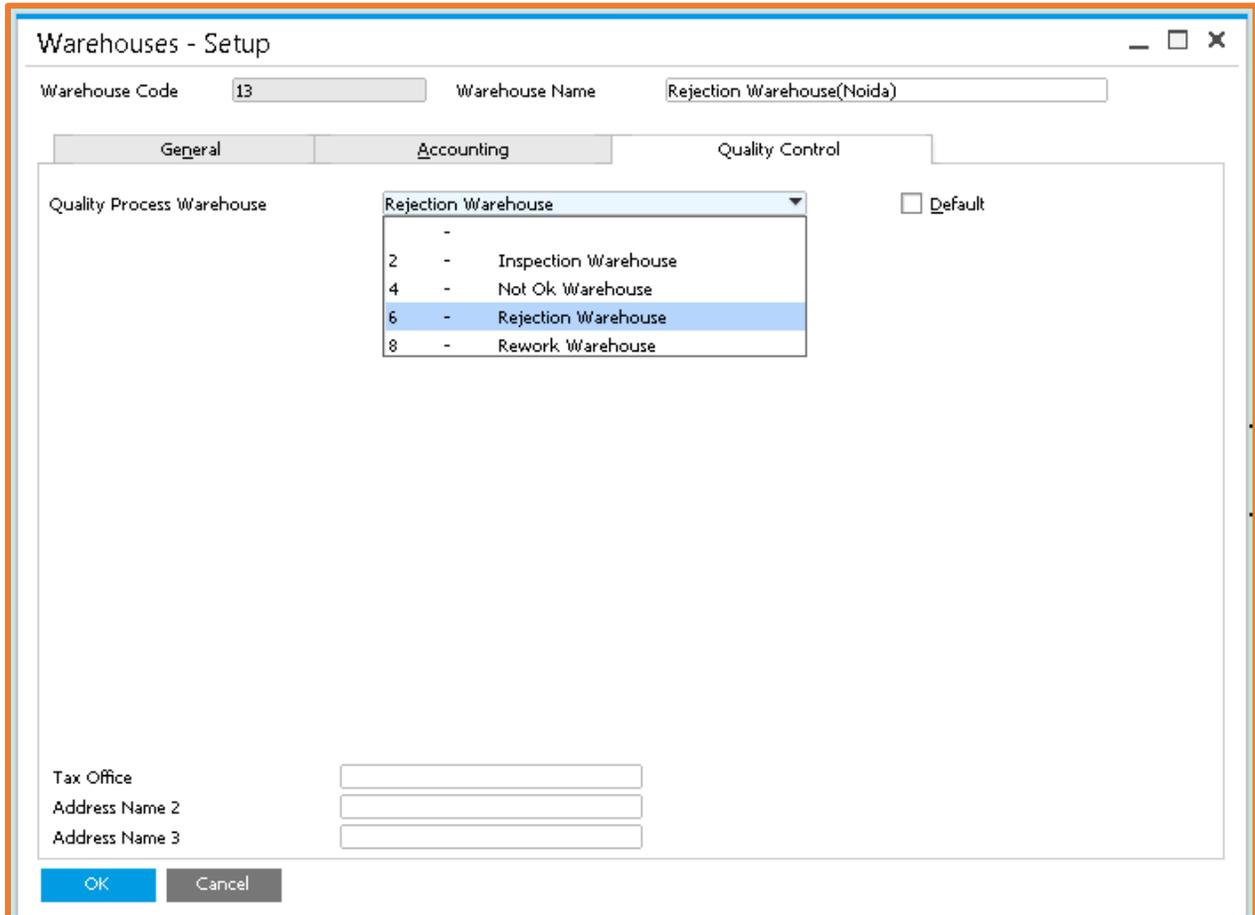
- Enter the Warehouse Code in the Warehouse code field.

- Click on the Quality Control tab and select the type of selected warehouse from the given list.

  Clicking the **Add** button will successfully save this record into the system.

Processing Quality Control Transaction Level

The Quality Control process works in the following screens.

- GRPO
- Receipt from production
- Good receipt
- Sales return
- Inventory Transfer

The QC process is same for all the transaction, so we will use the GRPO as our example.

Quality Control - GRPO Screen

Any item that needs to be inspected will be entered through the Goods Receipt PO form. Once you add your GRPO, if the manual QC option is selected in the configuration screen, then you would right-click and choose Transfer to QC. That will forward this record to the Pending Inspection list for further processing and inspection.

If the manual QC option is not selected in the control configuration list, then the system will transfer the material to QC automatically upon adding of the GRPO document.

Resolv Quality Control

This folder has the following sub folders:

- Pending Inspection

- Pending Disposition

- Reports

Pending Inspection

As soon as a QC applicable item gets produced or purchased (depends on stage mapped with the Item group or Item), the QC Module transfers the receipt to the QC inspection warehouse and displays the same in the Pending Inspection window.

You need to perform the following steps to work with the QC Pending Inspection form:

Step 1: Go to the Pending Inspection screen
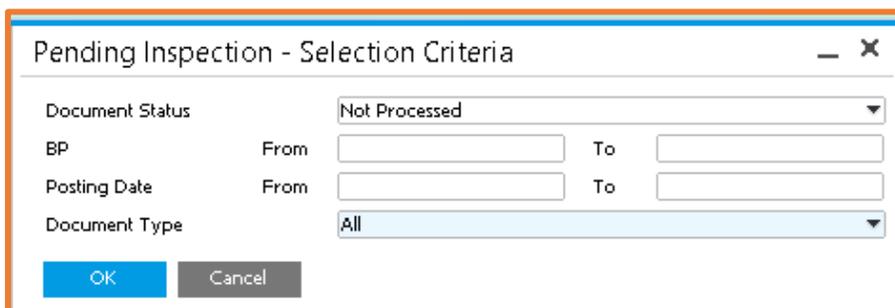
Step 2: Select the starting date from the 'From Date' calendar picker.

Step 3: Select the starting date from the 'To Date' calendar picker.

Step 4: Select the 'Document Type' - GRPO, Receipt from Production, Inventory transfer, and All are the options.

Step 5: Select the Business Partner master.

Step 6: Select a 'Document Status' as Not Processed (in case of pending inspection) or Processed (in case of complete inspection).

Step 7: Click the 'Ok' button.

A list of QC items (processed or not processed) will be displayed as per the entered filter criteria.

Using this list, double click on the row number to perform the quality checks under the pending or completed inspection sheet by filling in the Observation values. The QC Module allows you to capture Tools used to test the item and attach the details if any.

If the Observation Values do match with the parameters defined for the item, it gets directly transferred to its original warehouse.

Pending Disposition

If due to any reason product fails to match the parameter list, the QC Module takes you to the Pending Disposition screen.

You need to perform the following steps to work with the **Pending Disposition** form:

Step 1: Go to the Pending Disposition screen.
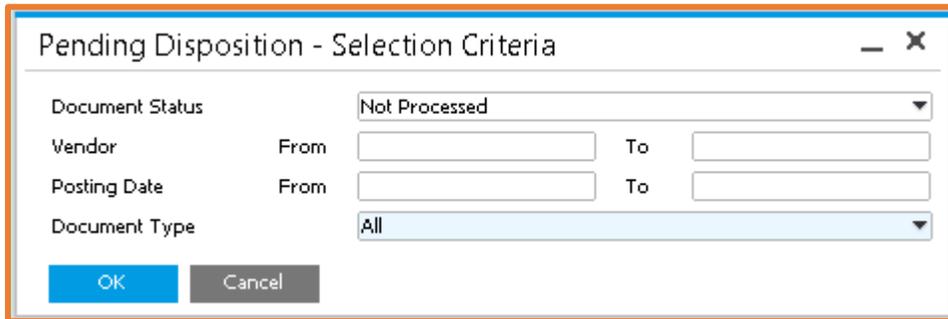
Step 2: Select the starting date from the From Date calendar picker.

Step 3: Select the starting date from the 'To Date' calendar picker.

Step 4: Select the 'Document Type' via GRPO, Receipt from Production, Inventory transfer and all from the drop-down list.

Step 5: Select a 'Document Status' as Not Processed (in case of pending inspection) or Processed (in case of complete inspection).

Step 6: Click the Ok' button.

A list of QC items (processed or not processed) will be displayed as per the entered filter criteria. Select the record from the list that you want to process for disposition.

Pending Disposition

Double-click on row number for pending inspection disposition details

#	Document No.	Document Type	Document Date	Line Number	BP Code	BP Name	Item Code	Item Description	Item Group	Quantity
1	7	GRPO	04/14/16	0	VE0001	OEC	QC0003	QC Batch Wise Item	Items	5.000
2	8	GRPO	04/14/16	0	VE0001	OEC	QC0003	QC Batch Wise Item	Items	5.000
3	5	GRPO	04/06/16	0	VE0001	OEC	QC0003	QC Batch Wise Item	Items	5.000
4	1	GRPO	04/06/16	1	VE0001	OEC	QC0002	QC Serial Wise Item	Items	1.000

OK

From the disposition window, the QC Module allows you to make further decisions on the product; for example, it could be partially accepted, rejected, need re-work, or could be accepted under deviation (QC Pending Disposition 3).

Inspection Disposition

Item Code	QC0003
Item Description	QC Batch Wise Item
Lot Qty	5
Sample Size	5
Stage	20
BP Name	OEC

Base Document Number	7
Date	04/14/16
Inspection Date	04/14/16
Inspector Name	Prakhar
Inspection Sheet Number	11
Completed Inspection No.	00000033
Batch Number	ASDF-01

Content | Testing Tool/Equipment Tool | Attachment

Parameter Code	Parameter Name	Lower Limit	Upper Limit	Variance	Visual	Sample Size	Observed Value 1	Observed Value 2	Observed Value 3	Observed Value 4	Observed Value 5
Color	Color	0.000000	0.000000	0	GRE	5	GRE	GRE	GRE	GRE	GRE
Length	Length	5.000000	10.000000	0		5	4	5	5	5	5

Total Confirming Items	9
Total Nonconfirming Items	1
Disposition Type	
Accepted Quantity	0.000
Rejected Quantity	0.000
Rework Quantity	0.000

Disposition Given By	Prakhar
Disposition Date	05/02/16
Reason for Rejection	
Remarks	Based On Goods Receipt PO 7.

Add | Cancel

Additional Notes

- Users always have the option to return from QC, by which the system will move the inventory from QC warehouse to main warehouse. This option will be visible when users click right on the GRPO or QC processed screen.

- Users can also exclude specific serial numbers or batch numbers from the QC process by using the check box which is provided over the serial and batch number selection screen.
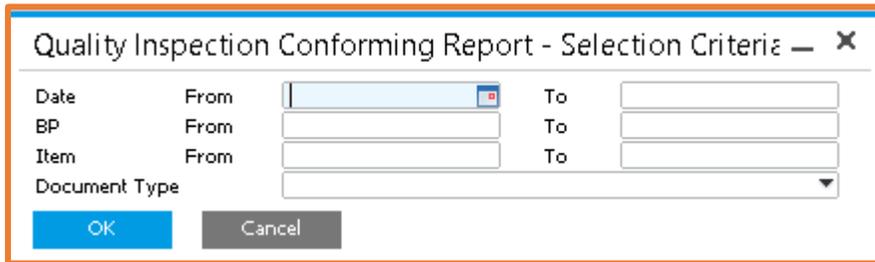
Reports

The Report module allows you to generate the following reports:

- Inspection Conforming

- Inspection Non-Conforming

Inspection Conforming

You need to perform the following steps to capture the Quality Inspection Conforming reports:

Step 1: Go to the Inspection Conforming screen

This screen shows some of the filter criteria's, which can assist in the selection of the required report.

Step 2: Select the From Date and To Date from the date calendar picker.

Step 3: Enter a range for the Supplier, by filling values in the 'From and to' text boxes.

Step 4: Enter a range for the Item, by filling values in the 'From and To' text boxes.
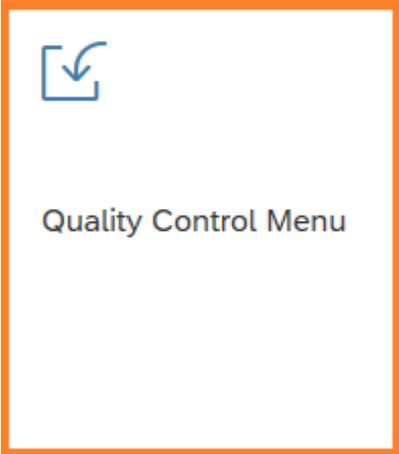
Step 5: Select the 'Document Type'

Step 6: Click OK.

QUALITY INSPECTION REPORT
Incoming 'A' (Sampling Inspection)

Period : 01-Sep-15 To 19-Oct-15

Item Code	: RMMLK00013	Total Quantity	: 32	Date	: 09/02/2015
Item Description	: Cream Cheese	Inspection Sheet No.	: 13	Inspection Time	: 11:20
BP Name	: Imprest to Staff - HO- Ranjit Kamath	In Time	: 16:09		
Document No.	: 100451				

INSPECTION PARAMETER	REQUIRED NORMS	REMARKS(If Any)	TOTAL DEFECTIVE SAMPLE	6	7	8	9	10	11	12	13	14	15
Item Smell		Based On Goods Receipt PO 100451.	0	1	1	1	1	1	1	1	1	1	1

It will display the required report. You can also **Save or Print** this report, using the options given at the top left corner of each report.

Inspection Non-Conforming

You need to perform the following steps to capture the Quality Inspection Non-Conforming reports:

Step 1: Go to the Inspection Non-Conforming screen

The screen comprises some filter criteria's, which assists in the selection of required report.

Step 2: Select the From Date and To Date from the date calendar picker.

Step 3: Enter a range for the BP, by filling values in the 'From and to' text boxes.

Step 4: Enter a range for the Item, by filling values in the 'From and To' text boxes.

Step 5: Select the 'Document type'

Step 6: Click OK.

It will display the required report. You can also **Save or Print** this report, using the options given at the top left corner of each report.
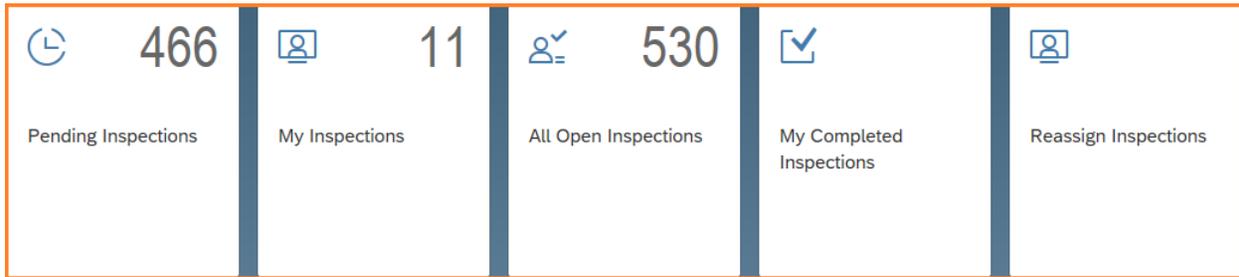
Integration with Resolv Mobile

Using QC mobile along with QC Desktop allows your warehouse users to perform quality control checks on items by means of the handheld devices.

(Main Menu > Quality Control Menu)

Inspections

Pending Inspections

The Pending Inspection screen lists all the open inspections that have not been assigned to an inspector and allows you to assign each document\item to an inspector.

Select the document from the list on the left that you want to assign an inspector to.

The document details are display on the right.

> Inspector Code – Select the inspector
>
> Items – Check off each item to assign to this inspector or use the select all check box for all items.
>
> Assign button – Update the document with the selected inspector.

The Filter button can be selected to limit the pending inspection list.

Warehouse: Limit by a specific warehouse.

Document Number: Select a specific document.

Document Type: Limit by document type. Sales Return, Sales Order, GRPO, Goods Receipt, Receipt from Production, Inventory Transfer.

Begin and End Date: Limit by a date range.

Begin and End BP: Limit by a business partner range.

My Inspections

The My Inspections screen lists all the open inspections that have been assigned to the logged in user.

Select the document from the list on the left that you want to inspect. The same filter options are available that are in Pending Inspections.

The document details and items that need inspection are display on the right.

Select the Action button for the item that you will perform inspection on.

Content Tab

These are the observations that need to be perform as part of the Quality Control process. Specific observation can be by select the Action button on each row or use the Action button in the footer section to enter all observations on one screen.

Enter each observation. Values out of the lower and upper limits will display in red. Once all values have been entered select the Add button.

Tool Tab

Enter the tools used to perform the observation checks.

Item Code – Select the tool code.

Item Description – Item description (for display only).

Serial – Enter the tool serial number.

Calibration Date – Enter the tools calibration date.

Frequency – Enter the frequency that calibration needs to be done.

Add – Save the tool to the inspection.

Remarks Tab

Enter remarks that will be save to the inspection.

My Inspections Continued

If there are any observation variances, the Not Okay Bin button will be display. Here you can override the default Not Okay Bin.

Select the Save button to process the inspection. A message will display to recap the observations. Select to Post the transactions.

⑦ **Confirmation**

13 confirmative attributes and 2 non confirmative attributes. Do you want to continue?

Yes   No

All Open Inspections

All open inspections, assign and unassigned, are listed here. Filters can be used to limit the list of inspections. This screen is for inquiry only.

All Open Inspections						

Document: 1174
Document Date: 05/27/2019
Document Type: GRPO
BP Code: V0001
BP Name: ABC LTD.

Item Code	Item Description	Quantity	Item Groups	Serial/Batch	Status
DS002	DS Batch	2.000	Items	B21	Released

Search

1015	1
Sales Order	06/07/2017 Released

1057	1
GRPO	02/22/2019 Released

1156	1
GRPO	05/24/2019 Released

1174	1
GRPO	05/27/2019 Released

1192	2
GRPO	05/31/2019 Released

1201	1
GRPO	06/10/2019 Released

1203	1
	06/10/2019

▽ Filter

My Completed Inspections

My Completed Inspections display all the completed inspections for the user logged in. Filters can be used to limit the list of inspections. Observations, tools, and remarks can be view here.

Reassign Inspections

The Reassign Inspections screen allow you to change the inspector that was assigned in the Pending Inspection screen.

From Inspector Code – Select the currently assigned inspector. This will filter the documents listed.

Reassign Inspector Code – Select the inspector code that will be assigned to the selected documents.

Items – Check off each item to assign to this inspector or use the select all check box for all items.

Assign button – Update the document with the selected inspector.

Dispositions

The Disposition screen lists all the open dispositions.

Select the document from the list on the left that you want to process. Filters can be used to limit the list of dispositions.

The document details and items that need to be reviewed are display on the right.

Select the Action button for the item that needs review.

Content Tab:

Displays the observation entered during inspection. Specific observation can be viewed by select the Action button on each row or use the Action button in the footer section to view all observations on one screen.

Tool Tab:

Displays the tools entered during inspection.

Remarks Tab:

Displays the remarks entered during inspection.

Disposition Tab:

From the disposition tab, you to make further decisions on the product; for example, it could be partially accepted, rejected, need re-work, or could be accepted under deviation.

> Disposition Type – Select the disposition type. Rework, Rejection, Partial Accepted Under Deviation or Accepted Under Deviation.

> Accepted Quantity – Enter the accepted quantity for Partial Accepted Under Deviation. The field will be disabled or auto filled for the other disposition types.

> Accepted Warehouse – Display the accepted warehouse. This is for reference only.

> Rejected Quantity – Enter the rejected quantity for Partial Accepted Under Deviation. The field will be disabled or auto filled for the other disposition types.

Rejected Warehouse – Display the rejected warehouse. This is for reference only.

Rework Quantity – Enter the rework quantity for Partial Accepted Under Deviation. The field will be disabled or auto filled for the other disposition types.

Rework Warehouse – Display the rework warehouse. This is for reference only.

Disposition Given By – Select the user deciding the disposition type.

Disposition Date – Enter the disposition date.

Reason for Rejection – Select the reason the rejected quantity. The field is only available for when there is rejected quantity.

If the entire quantity is not accepted, the Rework Bin and/or Rejection Bin buttons will be displayed to allow the user to override the default bins.

Select the Save button to process the disposition and post the transactions.

QC Scanner

Pending Inspections, Inspections and Dispositions can be processed from the QC Scanner screen for serial or batch items. Scan the scan the serial or batch number and the system will find the QC document associated with it.

Pending Inspection Scan

Scanning a serial or batch for a pending inspection will allow you to assign the document to an inspector by checking the action check box.

	QC Scanner												

Serial/Batch: SL09022019_1

Inspector Code:

✓ Assign   — Clear

Document	Document Date	Document Type	BP Code	BP Name	Item Groups	Item	Item Description	Qty	Serial/Batch	Status	Pending Code	Stage Code	Action
1302	2019-09-02	GRPO	MA5113	AGSCO CORP.	Items	QCSITM_PERU NIT	QC Serial Item to test sample - Per Unit Scenario	1.000	SL09022019_1	Pending	00000534	20	☑

Inspection Scan

Scanning a serial or batch for a released inspection will allow you to perform the inspection process.

	QC Scanner												

Serial/Batch: B29

— Clear

Document	Document Date	Document Type	BP Code	BP Name	Item Groups	Item	Item Description	Qty	Serial/Batch	Status	Pending Code	Stage Code	Action
1213	2019-06-11	GRPO	V0001	ABC LTD.	Items	QC003	QC003-Batch Managed Item	6.000	B29	Released	00000465	20	✏

Select the Action button to begin the inspection process. The Inspection Detail screen has the same functions that the My Inspection screen has. See the My Inspection section for details.

Parameter Code	Parameter Name	Lower Limit	Upper Limit	Visual	Variance	Action
Length	Length	5.000000	10.000000			✏
Width	Width	2.000000	5.000000			✏
Color	Color	0.000000	0.000000	ORG		✏

Content Tab – Enter the observations values using the Action button on each row or use the Action button in the footer section.

Tools Tab – Enter the tools used to perform the observation checks.

Remarks Tab – Enter remarks that will be save to the inspection.

If there are any observation variances, the Not Okay Bin button will be display. Here you can override the default Not Okay Bin.

Select the Save button to process the inspection. A message will display to recap the observations. Select Yes and Post the transaction.

Disposition Scan

Scanning a serial or batch for a disposition inspection will allow you to perform the disposition process.

Select the Action Button to begin the disposition process. The Disposition Detail screen has the same functions that the Disposition screen has. See the Dispositions section for details.

Content Tab – Displays the observation entered during inspection.

Tools Tab – Displays the tools entered during inspection.

Remarks Tab – Displays the remarks entered during inspection.

Disposition Tab – Enter the disposition decisions. See Disposition Tab under Dispositions for details.

If the entire quantity is not accepted, the Rework Bin and/or Rejection Bin buttons will be displayed to allow the user to override the default bins.

Select the Save button to process the disposition and post the transactions.