Achieve Quality Control MANAGEMENT

USER MANUAL
Version 6.5

PRESENTED BY
ACHIEVE IT SOLUTIONS

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

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ACHIEVE QUALITY CONTROL MANAGEMENT

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Introduction

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

The **Achieve 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.

Achieve 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

Version

This manual is specific to Version 6.5 of the **Achieve Quality Control Module**, which is distributed in conjunction with SAP Business One version 9.1 and above.

Purpose

The purpose of this user manual is to provide general information to the end users and consultants explaining how the **Achieve Quality Control Module** works. The **Achieve Quality Control Module** is a user friendly product for maintaining Quality control over Purchase, Production and Inventory modules.

Setup:
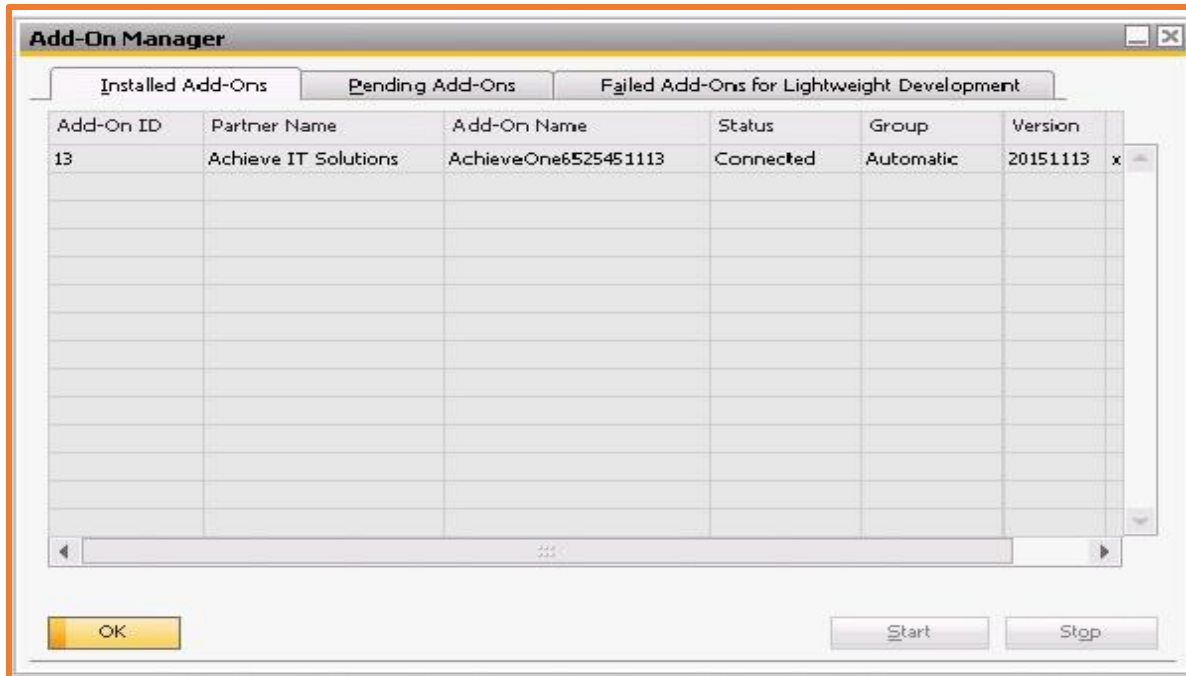
To configure the **Achieve Quality Control Module**:

> **Step 1.** Open SAP B1.
>
> **Step 2.** Select Administration: *Add-Ons>Add-On Manager* from the SAP Business One Main menu to display the Add-On Manager screen.
>
> **Step 3.** Select Achieve One add-on from the Add-Ons list.
>
> **Step 4**. Click Start to start the Achieve One Add-On.
>
> **Step 5**. Click OK to close the Add-On Manager screen when the Disconnected changes to Connected in the Status Column of the Add-On Manager screen.
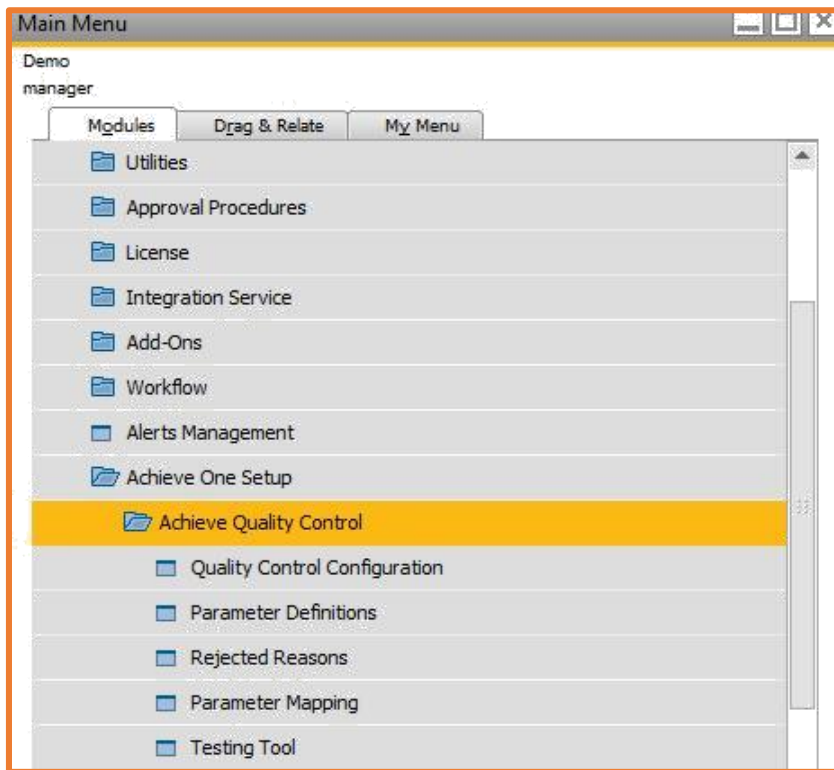
Achieve Quality Control configuration and Setup

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

This module can be found:

Administration > Achieve One setup > Achieve 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

Navigate to Configuration:

Administration> Achieve One Setup > Achieve Quality Control> QC Control Configuration- Setup

Stage Settings Tab

This screen includes the following Settings:

Field	Activity/Description
Code	Select the Code which means user has to select the particular 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 Tab
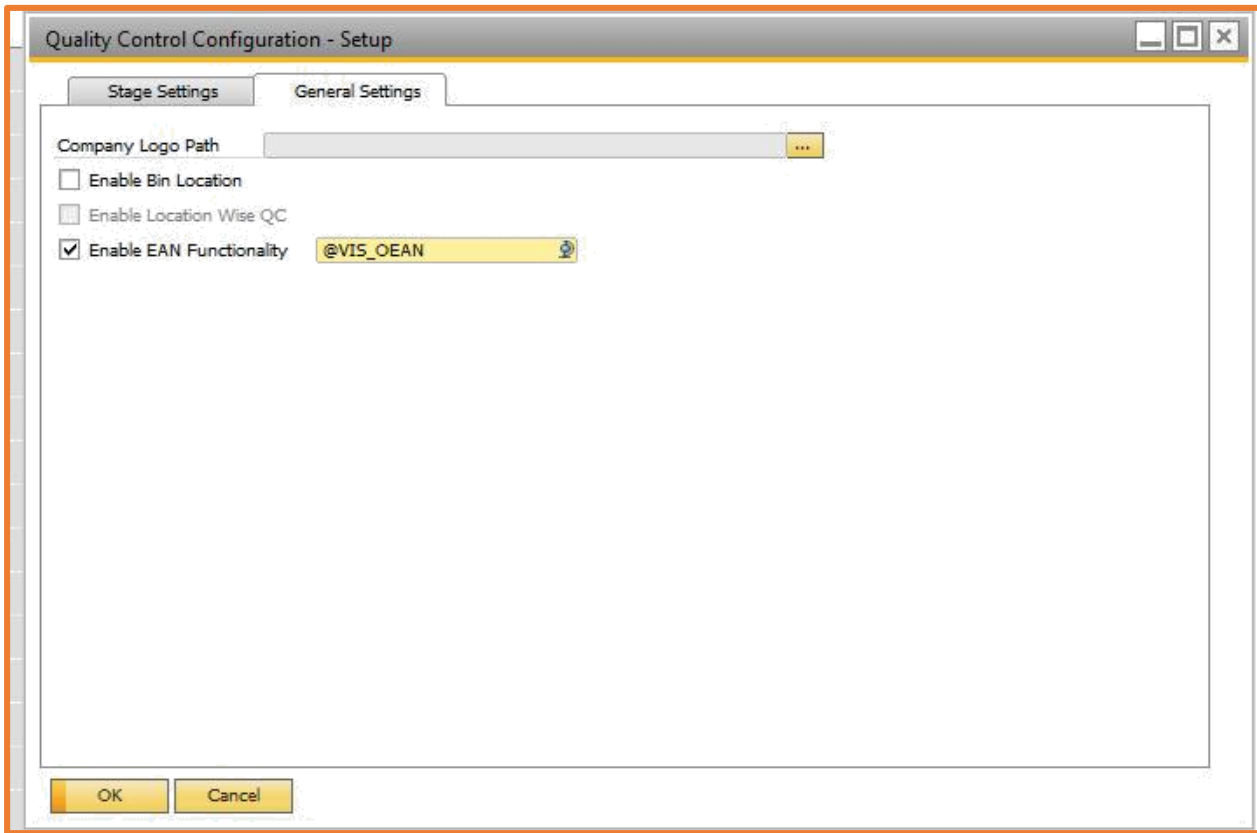
In this screen we have the following features:

- 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:

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

Go to *Administration > Achieve One Setup > Achieve Quality Control> Parameter Definitions – Setup*

Parameter Definition - Setup

#	Parameter Code	Parameter Name	Type	UoM
38	Poxide Vl.	Item Peroxide Value	Numeric	MeqO2/kg
39	Prod. Temp	Item Product Temperature	Numeric ▼	°C
40	Protein	Item Protein	Numeric	%
41	Salt	Item Salt	Numeric ▼	%
42	Sedim Valu	Item Sedimentation Value	Numeric ▼	ml
43	Smell	Item Smell	Visual	-
44	SNF	Item SNF	Numeric ▼	%
45	Taste	Item Taste	Visual ▼	-
46	Texture	Item Texture	Visual	-
47	Thickness	Item Thickness	Numeric	mm
48	Time(hrs.)	Take a product & place it in a (	Numeric ▼	Hrs.
49	Time(min)	Item Time	Numeric ▼	Minutes
50	Top Dia	Item Top Diameter	Numeric ▼	mm
51	UnsapMater	Item Unsaponifiable Matter	Numeric ▼	%
52	Wat absorp	Item Water Absorption	Numeric ▼	%
53	Weight(g)	Item Weight	Numeric	g
54	Weight(kg)	Item Weight	Numeric ▼	kg
55	Wet Gluten	Item Wet Gluten	Numeric	%
56	Width	Item Width	Numeric	mm
57	Count	Item Count	Numeric ▼	Number(No)
58	Tot Solids	Total Solids	Numeric	%
59	Printing	Printing	Visual	-
60	Spreading	Item Spreading of Cookies	Visual ▼	-
61	Lava:Cake	Item Lava Cake Ratio	Visual ▼	-
62	Baking	Item Baking	Visual ▼	-

OK   Cancel

This screen includes the following information:

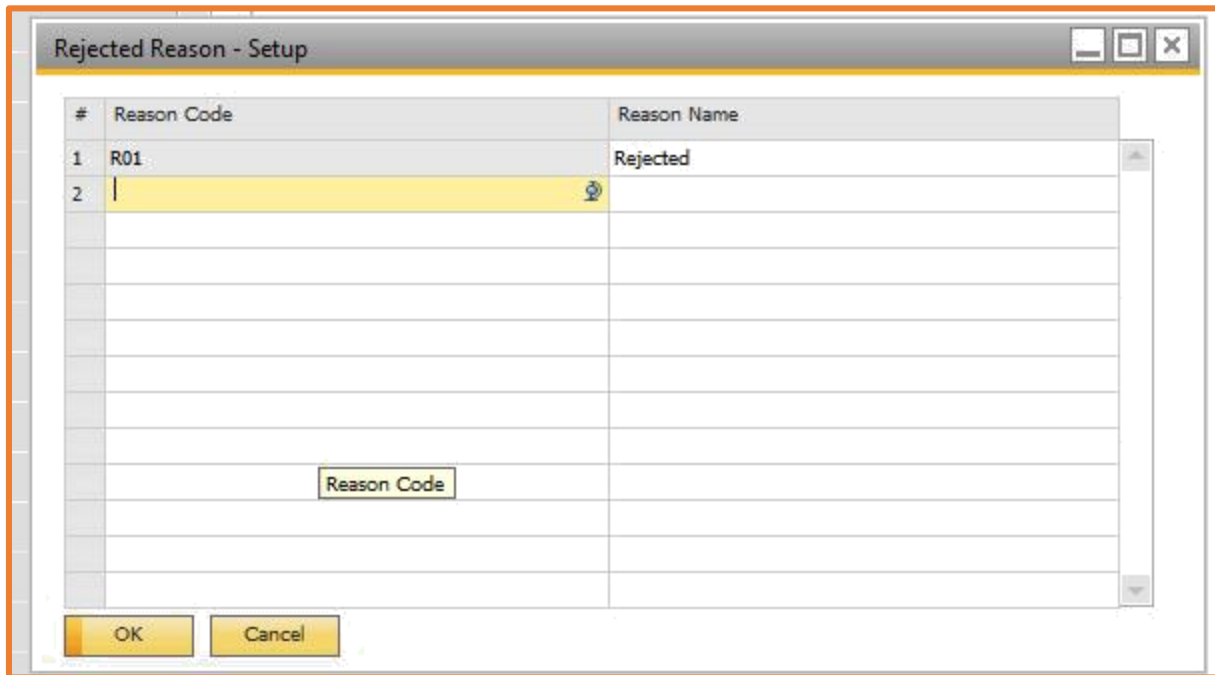| Field	Activity/Description
Parameter Code	Enter the Parameter Code in the respective column.
Parameter Name	Enter the Parameter Name in the respective column.

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.
Ok	Ok is button, by clicking on this system will save the date.

Rejected Reason:

The Rejected Reasons form allows to define various reasons to the reject any item.

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

Go to Administration > Achieve One Setup > Achieve Quality Control> Rejected Reasons-Menu

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:

Quality control allows parameter mapping with a specific item, you can map using the Parameters: Lower limit, Upper limit and Acceptable variance.

Go to Administration> Set-up> Quality > QC Parameter Mapping-Menu

#	Stage Code	Parameter Code	UoM	Lower Limit	Upper Limit	Variance (%)	Visual	Frequency	Frequency Value	Sample	Sample Size	BIS	STP
1	GRPO	Item pH	-	-6.5000	-6.5000	1		Always	1	X Percent of Receipt/Lot	100000	6.5	7.5
2	GRPO	Item Bulk Density	g/ml	-6.5000	-5.5000	1		Always	1	X Percent of Receipt/Lot	100000	0.50	0.65
3	GRPO	Item Moisture Content	%	-6.5000	-5.5000	1		Always	1	X Percent of Receipt/Lot	100000	1	4.0
4	GRPO	Item Fat	%	-6.5000	-5.5000	1		Always	1	X Percent of Receipt/Lot	100000	0.5	1.0
5	GRPO	Item Protein	%	-3.0000	-1.0000	1		Always	1	X Percent of Receipt/Lot	100000	1	10.0
6	GRPO	Item Flavour	-	0.0000	0.0000		C	Always	1	X Percent of Receipt/Lot	100000		
7				0.0000	0.0000								

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 on the basis of
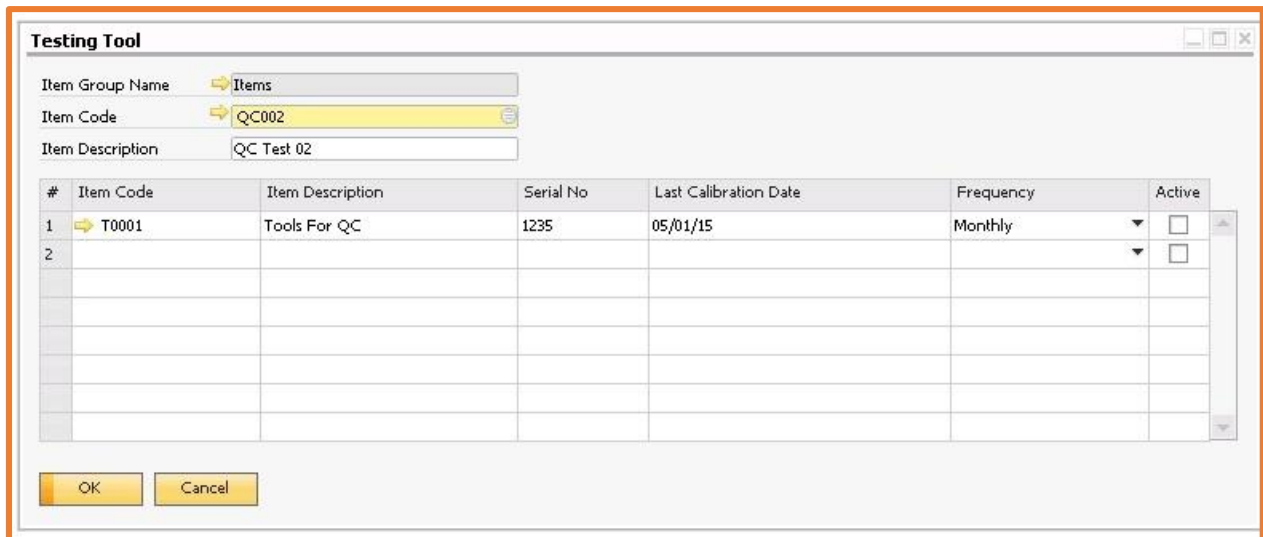
Frequency Value	If user selects 'Always' option in Frequency field then '1' will be displayed by default in this field. In case of 'Every X receipt/Lot' user has to define the frequency value after which the material will be transferred for QC inspection.
Sample	X Percent/Number of Receipt/Lot
Sample 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.

Go to Administration>Set-up> Quality>Testing Tools-Menu

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 on the basis of 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

The items needed to be transferred to one of the warehouses for QC inspection, Not Ok, Rework or Rejection. To do so we need to do configuration in warehouse screen.

Go to Administration >Set-up > Inventory > Warehouse-Menu
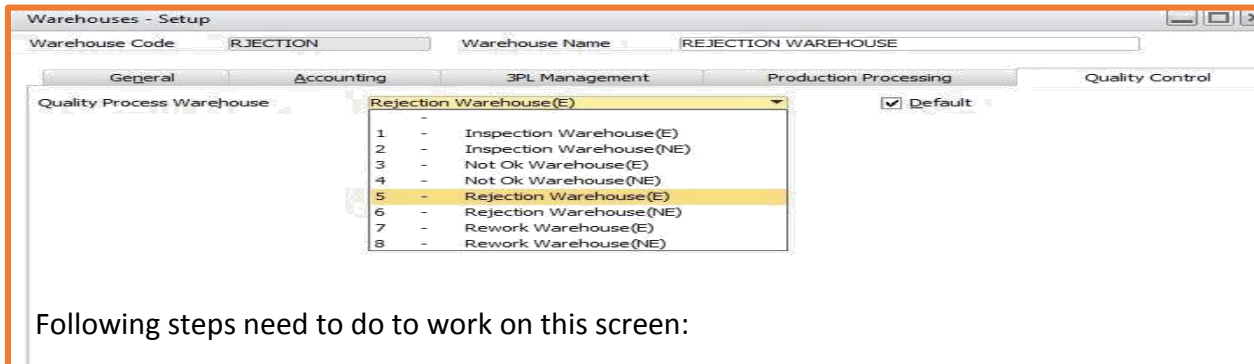
Following steps need to do to work on this screen:

- 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 of Quality control on transaction level

Quality control process is applicable on the following screens:

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

In all of the above screens the process of Quality control is same, so we will use the GRPO screen as an example.

Quality Control - GRPO Screen

Any item that needs to be inspected will be entered through the Goods Receipt PO form. One can also enter an item for quality checking through the 'Receipt from Production" form, but the QC process will remain same for both.

You need to perform the following steps to work with the Goods Receipt PO form:

Step 1: *Go to Purchasing>A/P> Goods Receipt PO*-menu. The Goods Receipt PO page will open up.
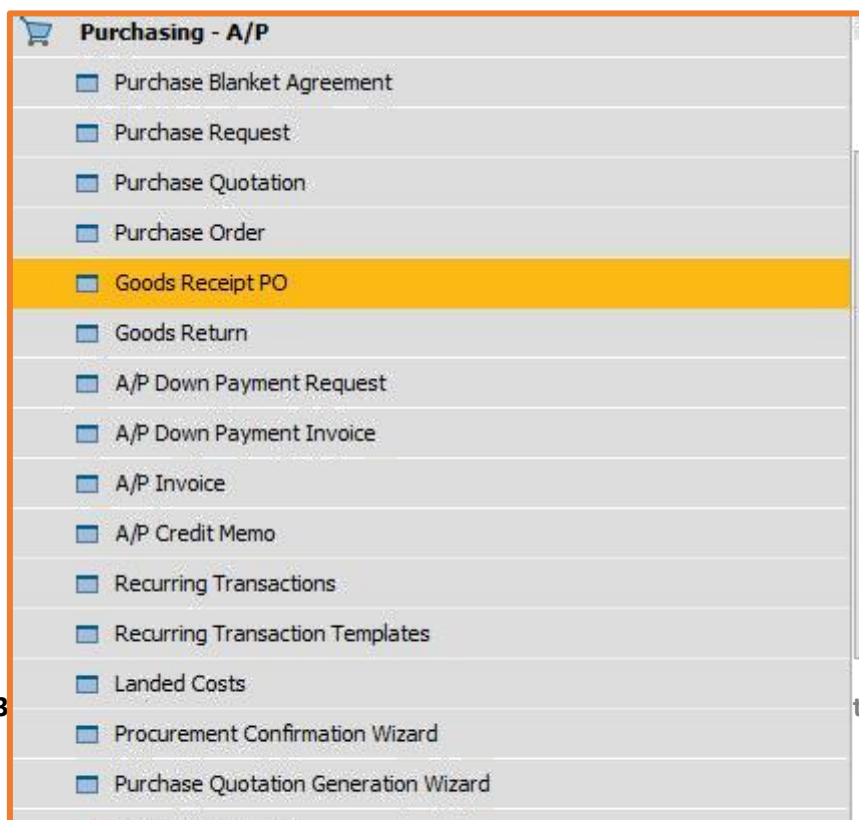
Step 2: Enter the Vendor name in the respective text box.

Step 3: Enter the Name in the respective text box.

Step 4: Select a Contact Person from the drop down list.

Step 5: Enter the Vendor Ref. No. in the given text box.

Step 6: Select the type of the Local Currency from the drop down list.

Step 7: Select the No. (GP or Manual) from the drop down list. In case of GP, the number will be system generated and vice versa.

Step 8: Enter the Posting Date, Due Date and Document Date in the text box.

Step 9: Fill in the tabs seen: Contents, Logistics, Accounting, Tax and Attachments tabs.
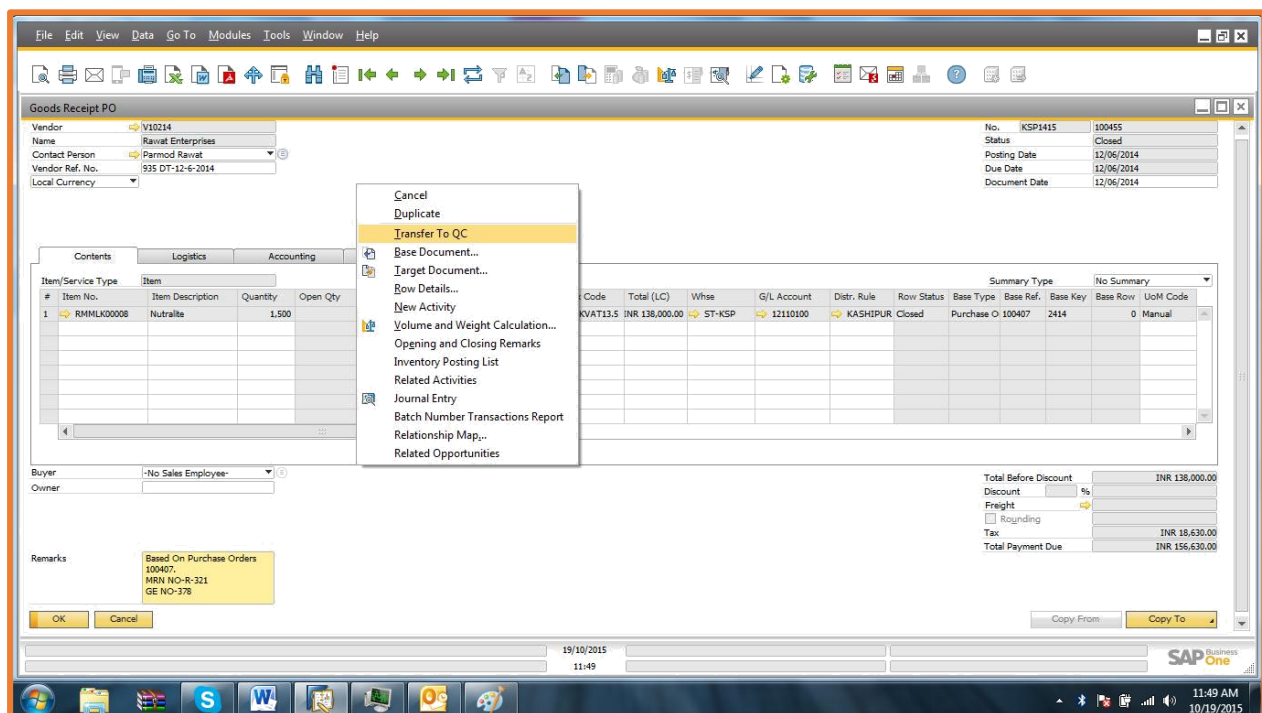
Click **Add**

Clicking the Transfer to QC' option, will forward this record to the Pending Inspection list for further processing and inspection of the items. 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

Achieve 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 Achieve One Achieve Quality Control > Pending Inspection-Menu*
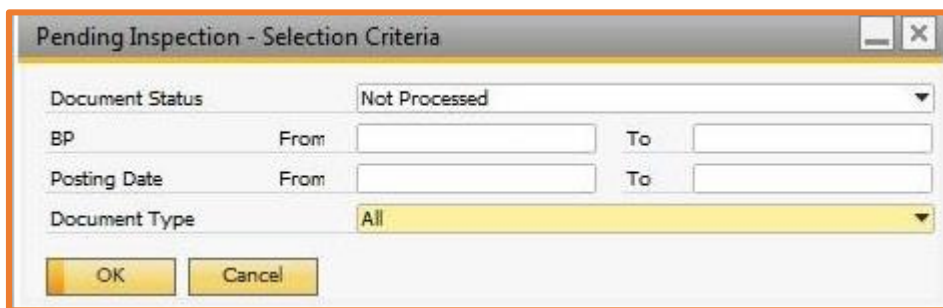
Step 2: Select the starting date from the 'From Date' calendar picker.

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

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

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.

QC Pending Inspection 1

QC Pending Inspection 2

If the Observation Values do match with the parameters defined for the particular 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 Achieve One Achieve Quality Control > Pending Disposition-Menu.* The QC Pending Disposition page will open up.
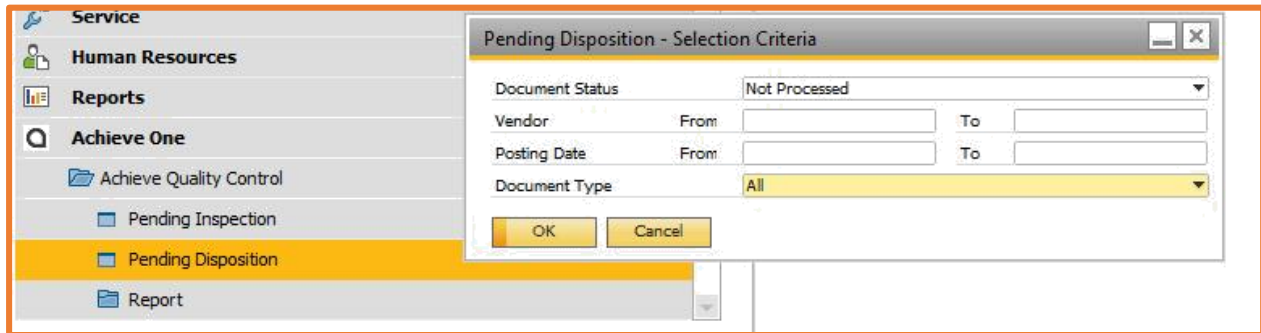
QC Pending Disposition 1

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.

QC Pending Disposition 2

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).

QC Pending Disposition 3

Other points:

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

- User can also ignore particular 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.
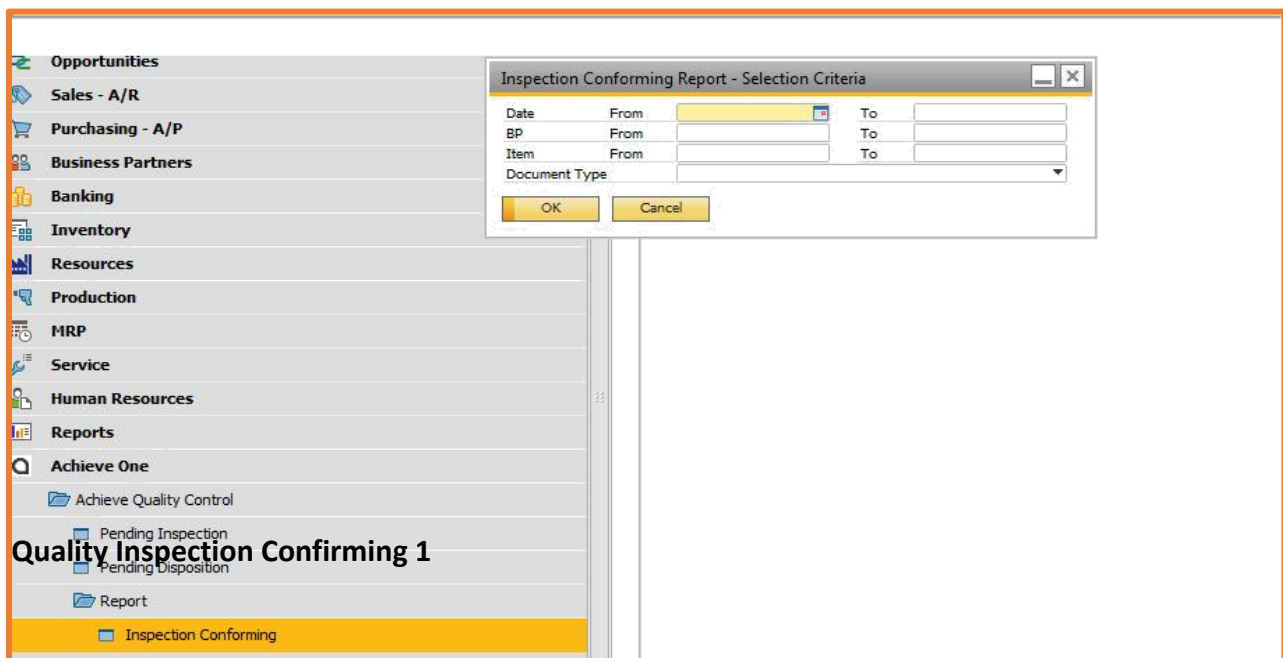

Reports

The Report module allows you to generate the following reports:

- Quality Inspection Confirming

- Quality Inspection Non Confirming

Quality Inspection Confirming

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

Step 1: *Go to Achieve One Achieve Quality Control> Reports > Inspection Confirming-Menu.* The Quality Inspection Confirming screen will be displayed.

Quality Inspection Confirming 1

This screen shows some of the filter criteria's, which can assists 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 Conforming 2

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.

Quality Inspection Non-Conforming

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

Step 1: *Go to Achieve One Achieve Quality Control > Reports >Inspection Non-Conforming-Menu.* The Quality Inspection Conforming screen will be displayed.

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.