

# Quality Sample

## Flow chart for Quality

### Quality Structure

#### Overview:

1. This feature will be useful to capture the quality detail of the lot
2. Typically the quality is captured for the material in the following control points:  
Raw Tea: At the time of contract, shipment and while receiving, Blend, FG: Production and Shipment
3. The user can configure different control points to capture the quality of the lots like Offer Sample, Approval Sample, Receiving, Production, Shipment
4. The lots for which the quality capture process is essential will be in "QUARANTINE" status. The "Quality Sample" window has an option to "Approve" the lot so that the status of the lot will be changed to "ACTIVE"
5. This window will display the properties configured as "Quality Template" which is relevant for the material
6. This window records the user and time of the quality approval of the lot
7. "Quality Sample" screen can be opened by navigating to **Quality - Quality Sample**.

Quality Sample screen has the following three sections

1. Sample Detail
2. Test Detail
3. Additional Attributes

Sample Detail has the following fields.

Field	Description
Sample Type	Sample Type configured against the control points
Sample Number	Sample number as generated by automatically
Contract Number	Contract number of procurement of material
Shipment Number	Shipment number of material procurement
Container Number	Container number of material procurement
Item No	mandatory field. if contract is selected will show items from the contract. if screen is opened from inventory view/lot view should populate the item that is selected.
Party Name	if contract is selected show populate vendor associated with contract
Reference No	Optional
Lot No	Optional
Lot ID	Optional if sample type is offer sample/pre-shipment sample Mandatory if sample type is receipt sample/inventory sample/production sample
Lot Status	Status that should be assigned to lot after approval/rejection. Mandatory at the time of approval/rejection if sample type is receipt sample/inventory sample/production sample
Origin	Origin Country of the raw material
Sample Quantity, UOM	The amount of material taken as sample
Representing Qty	Total quantity being represented by the sample
Sample Note	Optional
Received Date	Sample received date
Sample Status	User can select a secondary status
Testing Start Date	Optional
Testing End Date	Optional

Sampling End Date	Optional
Sampling Method	Optional

Test Detail has following fields

Each line of the test detail is of a Property and Test configured under quality template

Field	Description
Test Name, Property Name, Description	Property name and relevant details
Min & Max Value	Expected Minimum and Maximum Range
Actual Value	Actual value to be entered by the user;
Required	Based on property configuration
Result	Result for the actual value compared to the expected range (Passed or Failed)
UOM	Displays the Unit of Measurement
Low & High Value	Allowed Low and High Range
Sequence No	Displays sequence no
Replications	No. of times the test to be conducted
Final	Displays the final result
Comment	Optional
Cr./Dr. (Price %)	
Cr./Dr. (Qty)	
Formula	Displays the configured formula
List	"List Name" is populated for user selection when the property data type is "List"

Additional Attributes has following fields.

Fields	Description
Attribute	Attribute associated with sample type
Attribute Value	Value for attribute
Required	As configured in Sample type

Following is the screen shot of "Quality Sample" screen

The screenshot shows a software interface for 'Quality Sample'. It features a 'Sample Detail' section with fields for Sample Type, Origin, Sample Number, Sample Quantity, Contract Number, Representing Qty, Shipment Number, Sample Note, Container Number, Received Date (07-Jul-2015), Item No., Sample Status (Received), Party Name, Testing Start Date (07-Jul-2015), Reference No., Testing End Date (07-Jul-2015), Lot No., Lot ID, Sampling End Date (07-Jul-2015), Lot Status, and Sampling Method. Below this is a 'Test Detail' section with a table header: Test Name, Property N..., Description, Min Valu..., Max Val..., Actual Value, Required, Result. To the right is an 'Additional Attributes' section with a table header: Attribute, Attribute Value, Required.

**Mandatory fields for each Control points**

1. Offer Sample
2. Approval Sample
3. Inspection
4. Inventory Quality
5. Receipt Sample
6. Production
7. Production Computed
8. Shipping

For all the above control points following are mandatory fields

- a. Item No
- b. Sample Qty and UOM
- c. Representing Qty and UOM