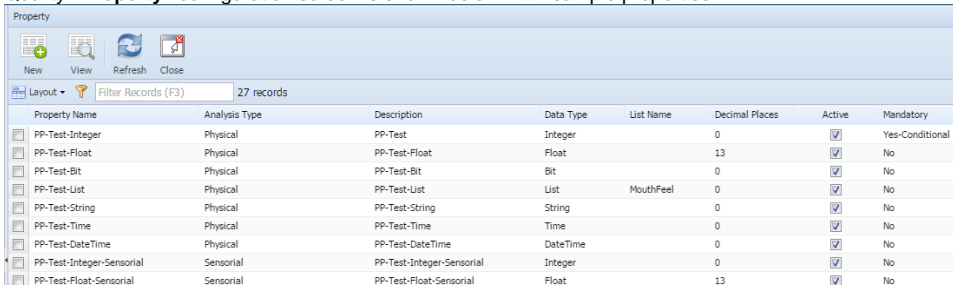


# Property

## Overview

- Quality property with its relevant parameters are configured in this screen
- Quality property value can be configured as specific basic data type like **"float"**, **"string"**, etc. or user defined data type like **"list"**
- Quality property will be grouped with specific **"Analysis Type"** (Ex. Physical, Chemical, Biological, ...)
- Each quality property can have range of acceptable values
- The user can set a quality property as mandatory in which case without giving the value for the property, the user can not approve the quality of the material
- The user creates a **"Test"** having the collection of these properties
- Quality **"Property"** configuration screen can be accessed by clicking on **"Property"** option under **"Quality"**
- Quality **"Property"** configuration screen is shown below with sample properties



The screenshot shows the 'Property' configuration screen. It has a toolbar with 'New', 'View', 'Refresh', and 'Close' buttons. Below the toolbar is a 'Layout' dropdown and a 'Filter Records (F3)' search bar showing '27 records'. The main table lists properties with columns: Property Name, Analysis Type, Description, Data Type, List Name, Decimal Places, Active, and Mandatory. The table contains 10 rows of sample properties.

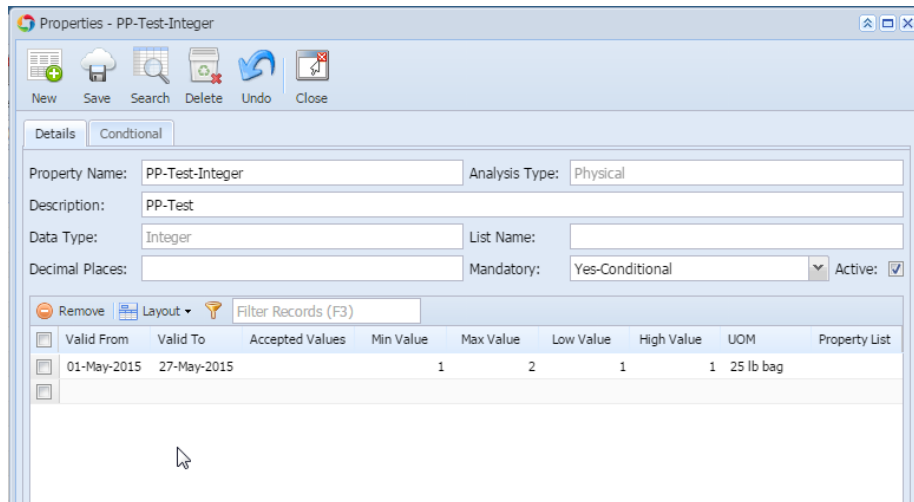
Property Name	Analysis Type	Description	Data Type	List Name	Decimal Places	Active	Mandatory
PP-Test-Integer	Physical	PP-Test	Integer		0	<input checked="" type="checkbox"/>	Yes-Conditional
PP-Test-Float	Physical	PP-Test-Float	Float		13	<input checked="" type="checkbox"/>	No
PP-Test-Bit	Physical	PP-Test-Bit	Bit		0	<input checked="" type="checkbox"/>	No
PP-Test-List	Physical	PP-Test-List	List	MouthFeel	0	<input checked="" type="checkbox"/>	No
PP-Test-String	Physical	PP-Test-String	String		0	<input checked="" type="checkbox"/>	No
PP-Test-Time	Physical	PP-Test-Time	Time		0	<input checked="" type="checkbox"/>	No
PP-Test-DateTime	Physical	PP-Test-DateTime	DateTime		0	<input checked="" type="checkbox"/>	No
PP-Test-Integer-Sensorial	Sensorial	PP-Test-Integer-Sensorial	Integer		0	<input checked="" type="checkbox"/>	No
PP-Test-Float-Sensorial	Sensorial	PP-Test-Float-Sensorial	Float		13	<input checked="" type="checkbox"/>	No

- Click on **"New"** to create new property
- Click on **"View"** to view / edit the selected property

This screen has two tabs:

- Details - this tab has a header section and a detail (grid) section
- Conditional - this tab is enabled only when the user selects 'Yes-Conditional' or 'No-Conditional' in the 'Is Mandatory' field.

**Detail tab** contains following:



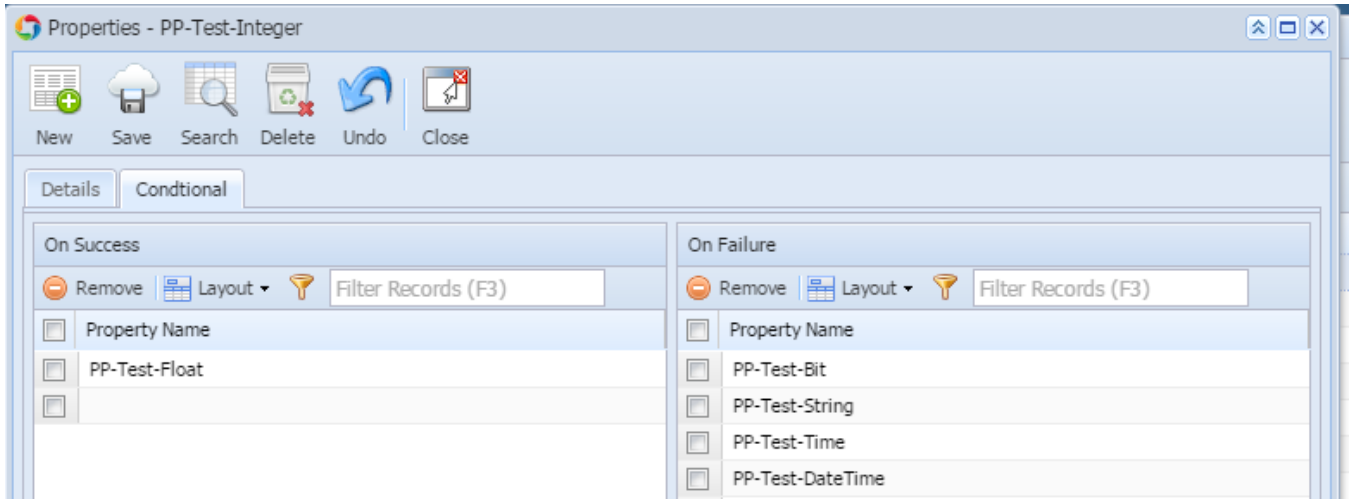
The screenshot shows the 'Properties - PP-Test-Integer' window in the 'Details' tab. It has a toolbar with 'New', 'Save', 'Search', 'Delete', 'Undo', and 'Close' buttons. Below the toolbar are two tabs: 'Details' and 'Conditional'. The 'Details' tab contains form fields for 'Property Name' (PP-Test-Integer), 'Analysis Type' (Physical), 'Description' (PP-Test), 'Data Type' (Integer), 'List Name' (empty), 'Decimal Places' (empty), 'Mandatory' (Yes-Conditional), and 'Active' (checked). Below the form fields is a 'Remove' button and a 'Layout' dropdown. At the bottom is a table with columns: Valid From, Valid To, Accepted Values, Min Value, Max Value, Low Value, High Value, UOM, and Property List. The table contains one row with values: 01-May-2015, 27-May-2015, 1, 2, 1, 1, 25 lb bag.

Valid From	Valid To	Accepted Values	Min Value	Max Value	Low Value	High Value	UOM	Property List
01-May-2015	27-May-2015		1	2	1	1	25 lb bag	

Fields	Description
Property Name	Name of the property
Description	Description of the property
Analysis Type	Type of Analysis which the property belongs to (like Physical, Chemical, etc)
Data Type	Data Type for the property values
List Name	"List Name" is populated for user selection when the property data type is "List"
Decimal Places	User can enter the decimal places only for float data type
Mandatory	Set to make this property compulsory on quality capture

Active	Set to make the property "Active"
Valid From, Valid To	Set the starting and ending day and month of every year for the value set. Multiple value set can be associated with a property which may be applicable with different date range for the property
Property Range fields	Bit, String, Integer, Float: Min Value, Max Value List: Value, Property List

**Conditional Tab** contains following



Fields	Description
OnSuccess	Validates the Property on Success of the Quality Sample
OnFailure	Validates the property on failure of the Quality Sample

**Note:** The property can not be deleted if the property is already associated with test