ITMProcess2

Select unit with a rule

Overview

Concerned Supervisor

Subject Units cannot be selected by a formula but, however, it is possible to

introduce rules to select units.

Problem Dyes quantities less than 10g must be expressed as a volume of a stock

solution at 100% or 10%.

Solution As formulas cannot be introduced to select a unit, we will introduce in the

dye operation two dyes lines, one with a unit expressed as a volume and the

other with a unit expressed as a weight.

To avoid from displaying twice a dye (one time for each unit), we will introduce a formula that sets quantity to zero when the unit is the wrong one. As the dyes quantities should not be definitively modified by these

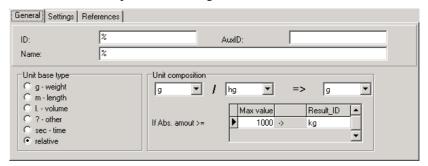
formulas, formulas will be set as 'display only'.

TN015

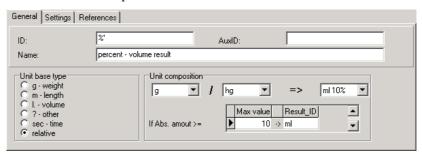
Units

Write the rule

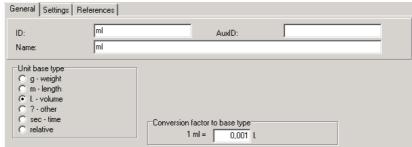
% with result expressed as a weight



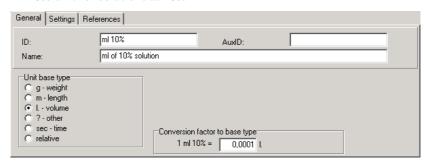
%' %' unit with result expressed as a volume



ml



ml 10% ml 10% unit for solutions at 10%

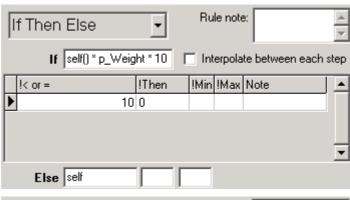


Operation

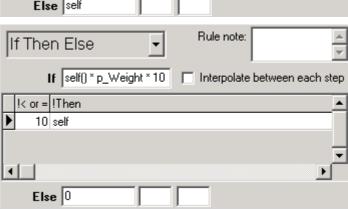


Both dyes lines are set as 'Display only formula'.

Formula that displays dyes over 10g

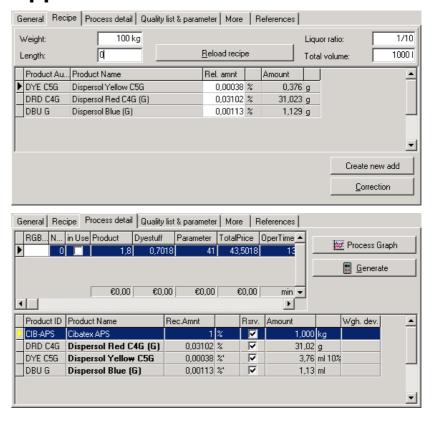


Formula that display dyes less or equal to 10g

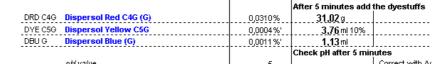


Application

Dyelot



Production card



Extensions

Other conditions may be introduced in the formulas (change unit only in case of machine group ...).

In this example, the selection of the stock solution is done via the unit (ml or ml 10%). If the choice of the stock solution is complex, it may be done via other dyes lines with the stock solutions units and related formulas.