



# Calculating Brewhouse Efficiency

When enabled, Brewhouse Efficiency may be calculated on the Brew QC form. Extract values can be assigned to malt batches upon receipt into the system. When Wort is brewed using malt with assigned extract values, Brewhouse Efficiency may be calculated by entering gravity and volume.

To enable Brewhouse Efficiency calculations, navigate to Administration > Setup > General > Orchestrated Configuration and select YES from the Brewhouse Efficiency Enabled dropdown.



Orchestrated Configuration

Version 4.9.0.141 Reports Version 4.9.0.116 Installed On 10/31/2019

**General**

Next MPN 2300

Default Volume Barrel

Temperature Format Fahrenheit

Express: Initials Required Y

Brewhouse Efficiency Enabled Yes

Advanced BoM Versions Y - Yes  
N - No

**Batch Settings**

Batch Format Brand Code

Append Date N

Assign On Creation

Generate Packaging Batches N

Auto Select Y

Auto Select Type FIFO

Auto Select Mode Automatic

Warn High/Low/Used Yes

**Cellarsheet/Stillsheet**

Date Range Year

Allow Multiple Issues N

PDO Status Filter Planned/Released

**Brewsheet/Cooksheet**

Date Range Year

PDO Status Filter Planned/Released

**Packaging Sheet**

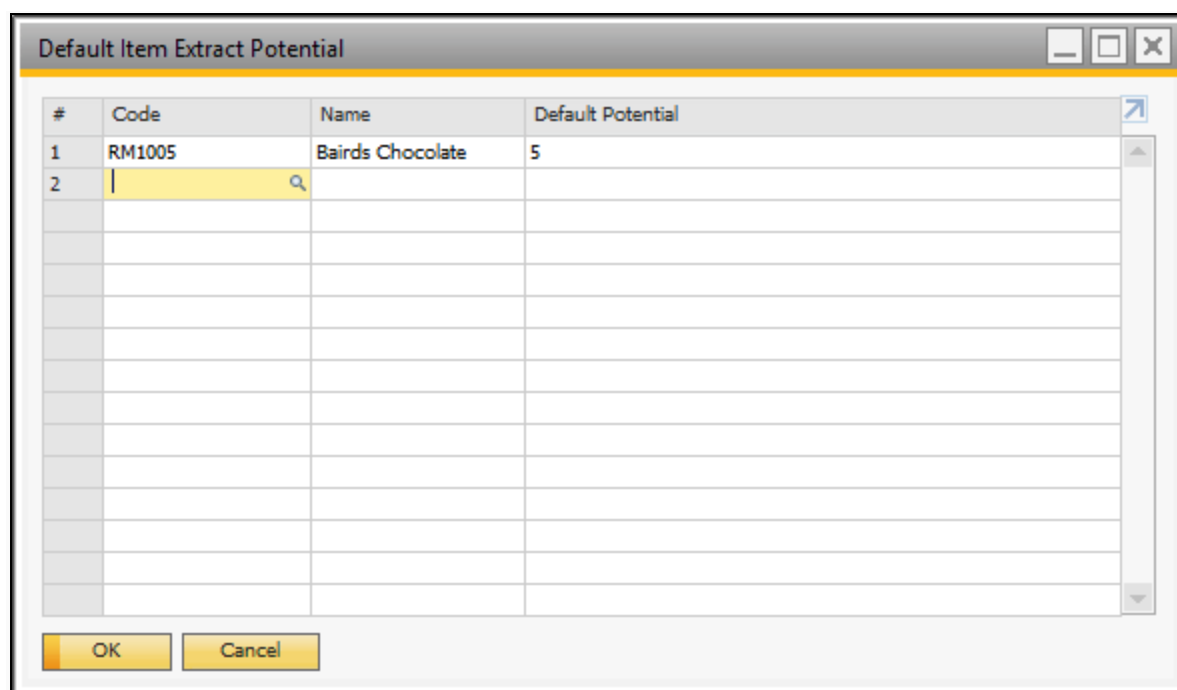
Date Range Year

Allow Multiple Issues N

OK Cancel

Once enabled, users can set default potential values for desired malt items by navigating to Inventory > Item Management > Default Item Extract Potentials. Defaults do not need to be set, but doing so will save time when receiving malt into stock.

In the CODE field, search for and select a malt item. In the DEFAULT POTENTIAL field, enter the extract potential in °P. Click OK.



If a Default has been set for an item, it will populate in the POTENTIAL EXTRACT field. If no default has been set, assign the potential at this time. The Potential Extract value can be edited on this window even if a default has been set.



**Batches - Setup**

Rows from Documents

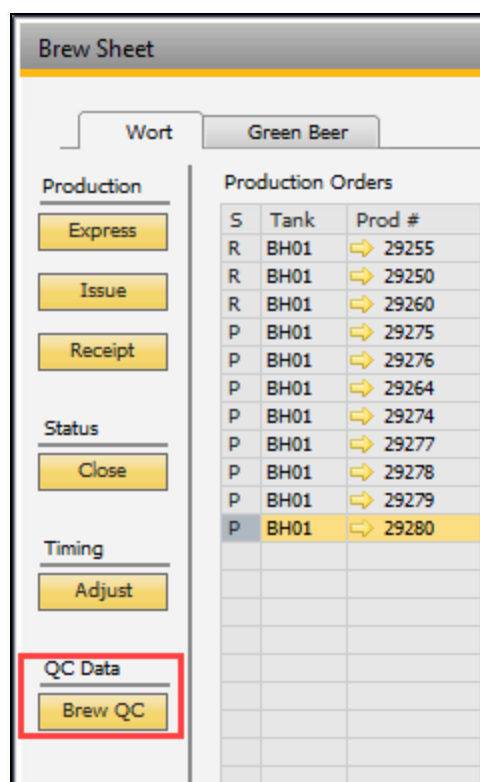
#	Doc. No.	Item Number	Item Description	Whse Code	Total Needed	Total Created
1	PD 4831	RM1005	Bairds Chocolate	FRW	1,100	1,100

Created Batches

#	Batch	Qty	Expiration Date	Mfr Date	Admission Date	Potential Extract
1	12345	1,100			02/29/2020	5.00%

Created Batches: 1    Created Qty: 1,100

Once Wort has been expressed using items with Potential Extract values - select the PdO on the Brewing Worksheet and click Brew QC.



## Orchestrated Support 5



Brew QC

DocNum

Pdo #

Brewer

Planned QTY

Batch #

Item Code

Item Name

Original Gravity

Original pH

Comments

Mash

Start Time

Strike Temp

Liquor Vol

Mash pH

Salt Type

Salt Added ☐

2nd Salt Type

2nd Salt Added ☐

3rd Salt Type

3rd Salt Added ☐

Phos Acid Added ☐

Temp

Conv Start Time

Conv End Time

Conv Time (min)

GrindNum

Brewhouse Efficiency

Gravity

Volume

Extract

Efficiency

Mash Comments

$$E = V \left( \left( 2.58 / \left( 1 / OG \right) \right) - .00382 \right)$$

$$TP = \sum ( M * PE )$$

$$BE = E / TP$$

E : Extract (lbs)

V: Volume (BBL)

M: Malt (lbs)



PE: Potential Extract (%)

OG: Original Gravity (°P)

BE: Brewhouse Efficiency (%)

TP: Total Potential Extract (lbs)