



Fermentation QC

The below video walks through fermentation QC in Orchestrated Software.

Summary

Fermentation QC is designed to provide one place to store, track and update fermentation data. This guide shows you how to navigate the functionality. It is available in the Cellar Worksheet. The data is associated with the beer currently in a fermenter.

Step By Step Guide

Navigate to [Production](#) > [Production Forms](#) > [QC Worksheet](#). To open fermentation QC, select the Tank tab, highlight a PdO and click **Ferm QC**



QC Worksheet

pdOs **Tanks** Location Brewery #1 Refresh

Fermentation **Ferm QC**

Tank	Tank Name	ItemCode	ItemName	Volume	Batch	MPN	Days Left	Batch Received	Tank Type	Modified	A...
B01	B01 - Bright Tank 1	BB1010	Bright Beer - Oktoberfest	602.50	OKT103		-437	04/01/2016	Bright Tank		
B02	B02 - Bright Tank 2	BB1004	Bright Beer - Stout	364.15	STT99		-321	07/25/2016	Bright Tank		
B03	B03 - Bright Tank 3	BB1002	Bright Beer - Pale Ale	27.00	PAL50	371	-2	06/09/2017	Bright Tank		
B03	B03 - Bright Tank 3	BB1012	Bright Beer - Hefeweizen	403.00	HEF107		-72	04/01/2017	Bright Tank		
B04	B04 - Bright Tank 4	BB1001	Bright Beer - Amber Ale	257.37	AMAS3	325	-441	03/27/2016	Bright Tank		
B05	B05 - Bright Tank 5	BB1003	Bright Beer - IPA	419.46	IPA160	301	-447	03/21/2016	Bright Tank		
B07	B07 - Bright Tank 7	BB1009	Bright Beer - Blonde	329.50	BLD12	252	-602	10/19/2015	Bright Tank		
B08	B08 - Bright Tank 8	BB1006	Bright Beer - Blonde Bock	105.68	BBK8	324	-459	03/09/2016	Bright Tank		
B09	B09 - Bright Tank 9	BB1013	Bright Beer - Northwest Nut Brown	255.00	NNB104		-448	03/21/2016	Bright Tank		
B10	B10 - Bright Tank 10	BB1002	Bright Beer - Pale Ale	10.00	PAL51	372	-1	06/10/2017	Bright Tank		
B10	B10 - Bright Tank 10	BB1011	Bright Beer - Red Irish Ale	715.00	RIA107		-662	08/20/2015	Bright Tank		
B11	B11 - Bright Tank 11	BB1014	Bright Beer - Pumpkin	510.00	PUM103		-450	03/19/2016	Bright Tank		
B12	B12 - Bright Tank 12	BB1008	Bright Beer - Pilsner	189.17	PIL8		-737	06/06/2015	Bright Tank		
B13	B13 - Bright Tank 13	BB1002	Bright Beer - Pale Ale	151.66	PAL39	357	-602	10/18/2015	Bright Tank		
B14	B14 - Bright Tank 14	BB1015	Bright Beer - Columbia Cider	100.00	CDR100	191	-710	07/03/2015	Bright Tank		
B15	B15 - Bright Tank 15	BB1007	Bright Beer - Xmas Stout	416.00	XMS100		-714	06/28/2015	Bright Tank		
B16	B16 - Bright Tank 16	BB1004-N	Bright Beer - Stout (Nitro)	300.00	STT104N		-685	07/27/2015	Bright Tank		
B99	Bright Tank - DEFAULT	BB1003	Bright Beer - IPA	52.00	IPA210	378	-140	01/22/2017	Bright Tank		
F02	Fermenter 2	GB1010	Green Beer - Oktoberfest	18.00	OKT100	63	-47	04/04/2017	Fermenter		
F03	Fermenter 3	GB1003	Green Beer - IPA	60.00	IPA192	270	-83	03/14/2017	Fermenter		
F04	Fermenter 4	GB1001	Green Beer - Amber Ale	100.00	AMAS9	325	-53	04/11/2017	Fermenter		
F05	Fermenter 5	GB1002	Green Beer - Pale Ale	90.00	PAL43		-52	04/10/2017	Fermenter		
F06	Fermenter 6	GB1004	Green Beer - Stout	60.00	STT23	206	-55	04/06/2017	Fermenter		
F08	Fermenter 8	GB1004	Green Beer - Stout	180.00	STT25	344	-58	04/03/2017	Fermenter		
F10	Fermenter 10	DH1003	Dry Hopped Beer - IPA	60.00	IPA190	331	-80	03/18/2017	Fermenter		

The *Fermentation Data* window opens. It pulls in information from the current tank selection such as the item, tank, and batch number. It can load certain QC targets if designated for the brand within Brand Master Data ([Inventory](#) module > [Brand Master Data](#).)



#	Entry Date	Entry Time	Item Code	Item Name	°P	pH	VSK	Cell Count	Limit	CV Valve Closed	Down	LSP #	Temp	Temp test	Setpoint	PSI	Yeast Solids	Yeast Viability	Notes	Initial	Sample ID	ABV	Density

Fields in the Header

Note that fields in the header only accept one record per production order.

Notes – a general purpose field; catch all for anything that you may want to capture but is not specifically in this form.

Original Gravity and **Original pH TRG** (Target)

Quality and **Taste** – simple dropdowns to rank on a scale of 1 -5.

Taste Notes – to expand on the Taste ranking.

Yeast Data



After making changes to the header for the first time, click the *Add* button. This information is saved for the beer in this tank. The fermentation data is treated as a working document.

Fields in the Grid

Unlimited number of entries are available for the Fermentation QC Data (grid fields). Each row has an Entry Date and can have an Entry Time. To add a new entry, click *Add Row*. A new row appears in the grid and the date defaults to the current date. Enter in as much or as little information as you need, then click *Update*.

#	Entry Date	Entry Time	ItemCode	ItemName	*P	pH	VDK	Cell Count	Limit	CV Valve Closed	Dcom	130° F	Temp	Temp test	Setpoint	PSI	Yeast Solids
	02-27-17	10:48AM	GB1003	Green Beer - IPA	0.00	0.00	0.00		0.00	<input type="checkbox"/>	0.00	<input type="checkbox"/>	72.00	0.00	0.00	0.00	0.00000
	02-28-17	11:29AM	GB1003	Green Beer - IPA	4.60	4.80	0.00		0.00	<input type="checkbox"/>	0.00	<input checked="" type="checkbox"/>	0.00	0.00	0.00	0.00	
	03-01-17	11:28AM	GB1003	Green Beer - IPA	0.00	0.00	0.00		0.00	<input type="checkbox"/>		<input checked="" type="checkbox"/>					

Update Cancel Add Row

Each time you open Ferm QC for this tank/batch, you will see any prior saved information. The information for previous entries can be edited at any time.



There are a lot of fields available – if there are fields you'd like to hide, use *Form Settings* (button circled below) to remove and reorganize the grid.



Form Settings - Fermentation Data

Table Format | Row Format | Document

Find

Column	Visible	Active
Temp test	<input type="checkbox"/>	<input type="checkbox"/>
Setpoint	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PSI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Yeast Solids	<input type="checkbox"/>	<input type="checkbox"/>
Yeast Viability	<input type="checkbox"/>	<input type="checkbox"/>
Notes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Initial	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sample ID	<input type="checkbox"/>	<input type="checkbox"/>
ABV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Density	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ABW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OExtract	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RExtract	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel Restore Default

Don't See The QC Metric You Want to Track?

You have two options:



The quicker, more basic option is to **rename (repurpose) a field**: on any column header, *Ctrl + Double Click* to bring up the *Changing Description* window. Type in the new field description and click Update.

Renaming a field does not change the field type (numeric, date time, etc.) however. A more advanced option is to **add a new user-defined field**. Go to Tools > Customization Tools > User-defined Fields – Management. To add a field that will appear as a new column on Fermentation Data, locate the category *Fermentation Line Data* within the User-Defined Fields (User Tables > Fermentation Line Data.)

Category	Title	Description	Type	Dfit	Mand.	Index	Linked Table
▶ Default Process WHS					<input type="checkbox"/>	<input type="checkbox"/>	
▶ Default Process					<input type="checkbox"/>	<input type="checkbox"/>	
▶ Fermentation QC Data					<input type="checkbox"/>	<input type="checkbox"/>	
▼ Fermentation Line Data					<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_E	Entry Date	Date		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_E	Entry Time	Hour		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_B	Barrels	Measure		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_P	Production Date	Date		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_P	Degrees Pleto	Measure		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_P	Target Degrees Pleto	Measure		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_P	Tal	Measure		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_p	Target pH	Measure		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_Li	Limit	Measure		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_Li	Target Limit	Measure		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_C	CV Valve Closed	Alphanumeric (1)		<input type="checkbox"/>	<input type="checkbox"/>	
	ORC_BE_D	Dppm	Measure		<input type="checkbox"/>	<input type="checkbox"/>	

Buttons: OK, Keys, Add, Remove



For more detailed instructions on adding User-Defined Fields (UDFs), take a look at this Support page: [User Defined Fields](#).

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