

O2 Quality Control

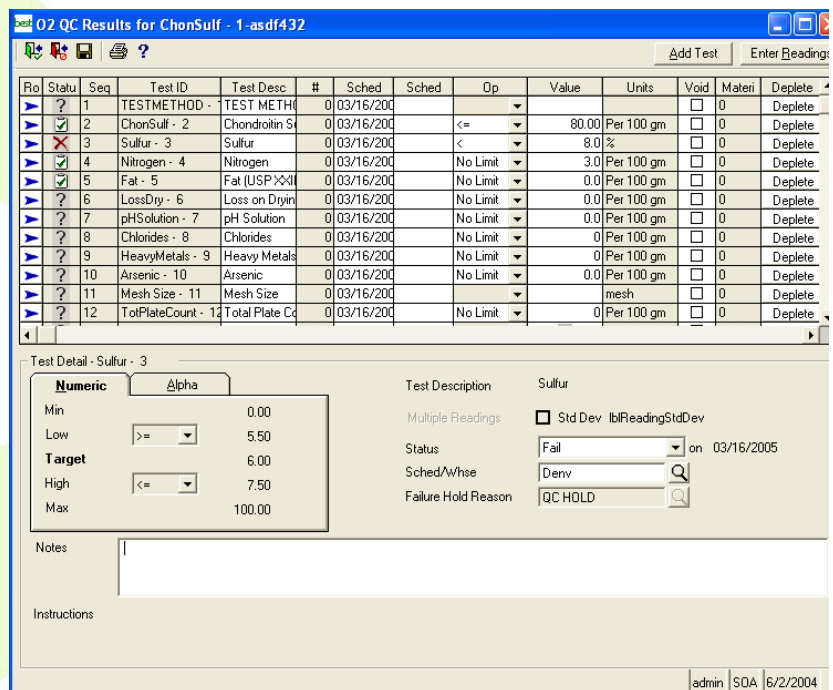
KEY FEATURES

- **Define QC Battery**
Specify a number of tests that should be performed on purchased and manufactured items.
- **Multiple Readings**
Enter readings from multiple samples.
- **Physical Property Contribution**
Link the results of a QC test to an item/lot physical property (attribute).
- **QC Hold for Lot**
If a lot fails a QC test, the lot can be placed on hold, preventing shipment and use in production.

Other Features

- Define a test as “destructive” which is taken out of the production yield calculation.
- Tests can be numeric, text, a pre-defined list, date/time or pass/fail.
- Lots whose expiration has passed are automatically transferred to “Hold” status.
- QC results can be printed on a customer’s Certificate of Analysis.
- Test results can be analyzed using graphs and pivot tables from Business Insights.

For most process manufacturers, quality control and analytics are a necessity due to cGMP and other quality regulations. With O2’s Quality Control Module you can define a battery of tests to perform for purchased materials or manufactured products and set the acceptable range for the tests. When the item is received or produced, a user-friendly display is used to enter test results. If a test fails, the lot can be placed on hold.



The screenshot shows a software interface for quality control results. The main window is titled "O2 QC Results for ChonSulf - 1-asdf432". It contains a table with columns: Ro, Statu, Seq, Test ID, Test Desc, #, Sched, Sched, Op, Value, Units, Void, Materi, and Deplete. The table lists 12 tests for "ChonSulf - 2". Test 3, "Sulfur - 3", is highlighted, and its details are shown in a "Test Detail - Sulfur - 3" window below. This detail window shows a numeric test with a target of 6.00. The current value is 8.00, which is marked as "Fail". The status is "Fail" on 03/16/2005, and the failure hold reason is "QC HOLD".

Ro	Statu	Seq	Test ID	Test Desc	#	Sched	Sched	Op	Value	Units	Void	Materi	Deplete
?		1	TESTMETHOD	TEST METH	0	03/16/200							Deplete
		2	ChonSulf - 2	Chondroitin S	0	03/16/200		<=	80.00	Per 100 gm	<input type="checkbox"/>	0	Deplete
		3	Sulfur - 3	Sulfur	0	03/16/200		<	8.0	%	<input type="checkbox"/>	0	Deplete
		4	Nitrogen - 4	Nitrogen	0	03/16/200		No Limit	3.0	Per 100 gm	<input type="checkbox"/>	0	Deplete
		5	Fat - 5	Fat (USP >>3)	0	03/16/200		No Limit	0.0	Per 100 gm	<input type="checkbox"/>	0	Deplete
		6	LossDry - 6	Loss on Dryin	0	03/16/200		No Limit	0.0	Per 100 gm	<input type="checkbox"/>	0	Deplete
		7	pHSolution - 7	pH Solution	0	03/16/200		No Limit	0.0	Per 100 gm	<input type="checkbox"/>	0	Deplete
		8	Chlorides - 8	Chlorides	0	03/16/200		No Limit	0	Per 100 gm	<input type="checkbox"/>	0	Deplete
		9	HeavyMetals - 9	Heavy Metals	0	03/16/200		No Limit	0	Per 100 gm	<input type="checkbox"/>	0	Deplete
		10	Arsenic - 10	Arsenic	0	03/16/200		No Limit	0.0	Per 100 gm	<input type="checkbox"/>	0	Deplete
		11	Mesh Size - 11	Mesh Size	0	03/16/200				mesh	<input type="checkbox"/>	0	Deplete
		12	TotPlateCount - 12	Total Plate Co	0	03/16/200		No Limit	0	Per 100 gm	<input type="checkbox"/>	0	Deplete

With the Quality Control Module, a “work queue” can be used to help alert the quality control personnel of products which need to be tested. The Queue and also automatically generate a test schedule for production batches.

Once test results are entered into the system, use Business Insights to graph historical trends or use the pivot table function to make raw data into useful information for business decisions.