

O2 Quality Control

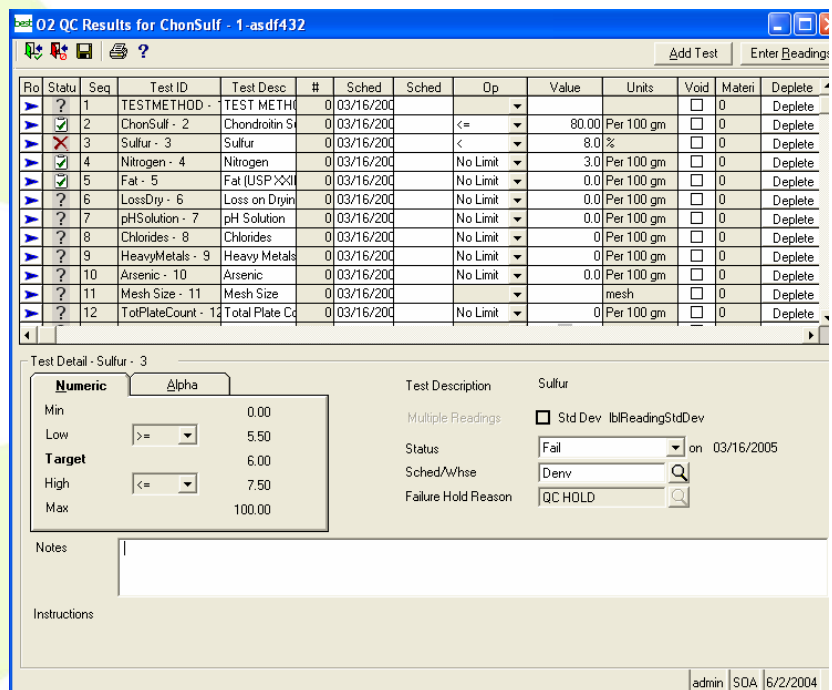
KEY FEATURES

- **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. At the top, it says "O2 QC Results for ChonSulf - 1-asdf432". Below this is a table with columns: Ro, Status, Seq, Test ID, Test Desc, #, Sched, Sched, Op, Value, Units, Void, Materi, and Deplete. The table lists 12 tests, including TESTMETHOD, ChonSulf, Sulfur, Nitrogen, Fat, LossDry, pH Solution, Chlorides, Heavy Metals, Arsenic, Mesh Size, and Total Plate Count. Below the table is a "Test Detail - Sulfur - 3" window. This window has tabs for "Numeric" and "Alpha". Under "Numeric", there are fields for Min (0.00), Low (>= 5.50), Target (6.00), High (<= 7.50), and Max (100.00). To the right, there are fields for Test Description (Sulfur), Multiple Readings (checkboxes for Std Dev, Ibl, Reading, Std Dev), Status (Fail on 03/16/2005), Sched/Whse (Denv), and Failure Hold Reason (QC HOLD). There are also fields for Notes and Instructions.

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.