



KB2019 - Adjusting for Dry Weight

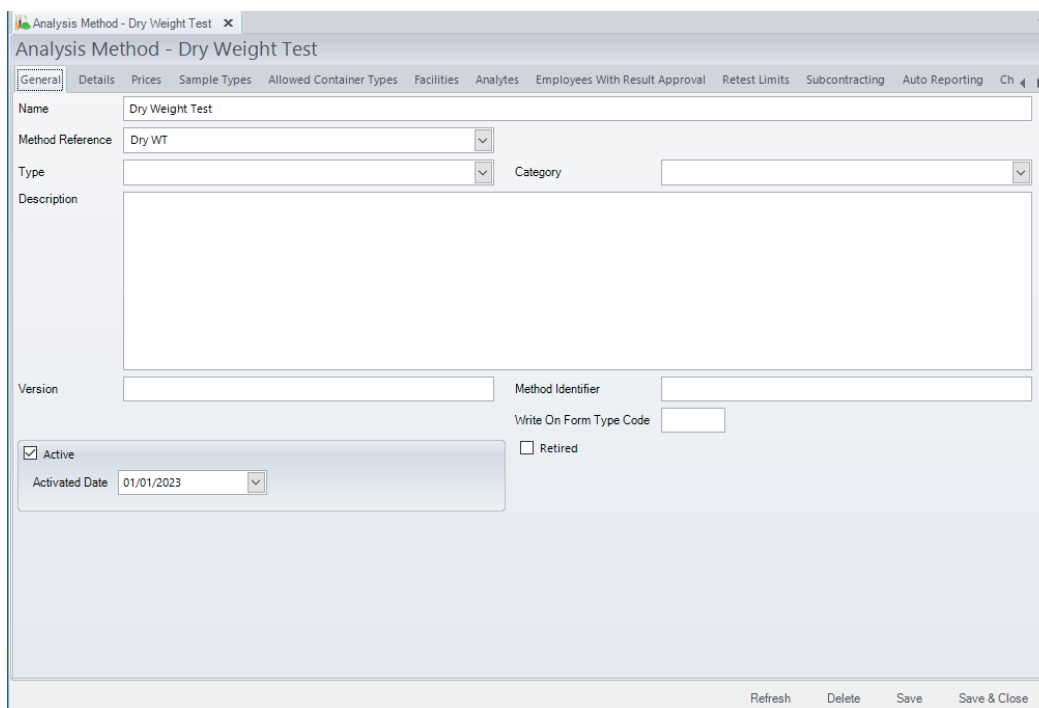
HOW TO

Scenario:

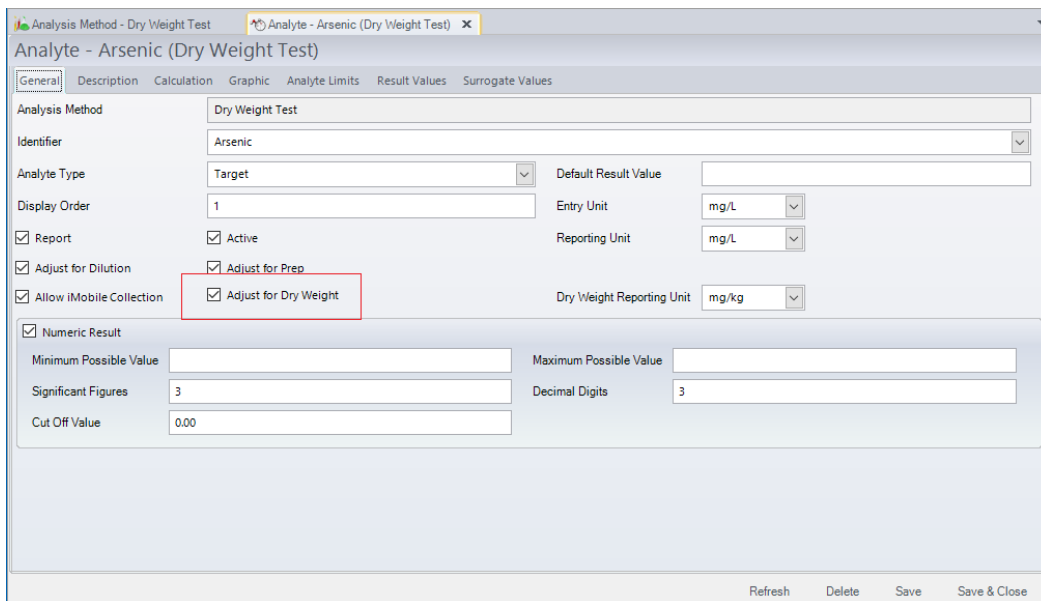
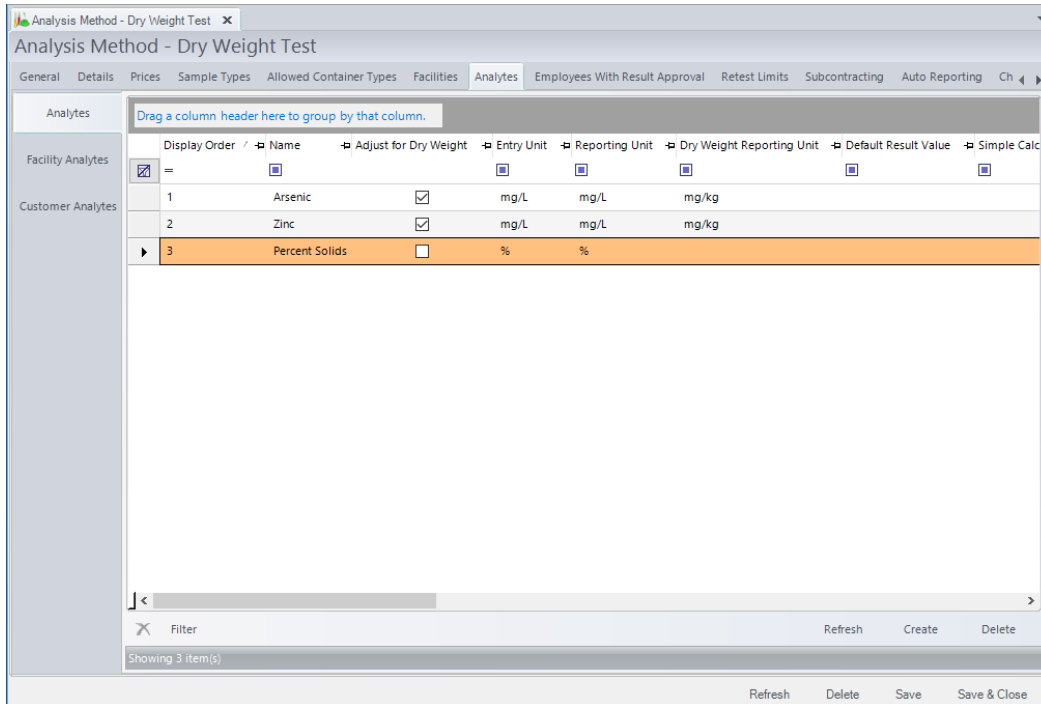
TITAN® provides the ability to automatically adjust results for dry weight. You can leverage this feature by configuring your analysis methods based on the instructions below.

Solution:

An Analysis Method will need to be created or existing so that Analytes can be added or edited.



Once the method exists, you will need to add a new analyte for the dry weight calculation to take place. This analyte must be named exactly "Percent Solids" (no quotation marks). You can use the create button to create this new analyte. If an Analysis Method and Analytes already exist, you will simply need to add the single new Percent Solids analyte.



The “Adjust for Dry Weight” box will need to be checked for all Analytes **other** than “Percent Solids”. A unit different than the “Entry Unit” and “Reporting Unit” can be selected in the “Dry Weight Reporting Unit” to be displayed for the result.

When an Analyte is marked for “Adjust for Dry Weight” the reported result is calculated when the same sample has a result value for an Analyte named “Percent Solids”. The Percent Solids analyte does not have to be on the same Analysis Method as those Analytes being adjusted for dry weight; it only needs to be on the same sample.

Working with Dry Weight

The “Percent Solids” measured value needs to be entered first. Once entered all corrected values will be adjusted for the dry weight. When there are no results present for the “Percent Solids” the results are not computed and will show “No % Solids” for the Reported Value.

Method Reference	Analyte	Dilution Factor	Measured Value	Numeric Value	Corrected Value	Reported Value	% Solids	Dry Weight Corrected	Dry Weight Reported	Aliquot
Dry WT	Arsenic (Dry Weight Test)	1.0000	3	3.000000	30.000000	30.0	10.000000			WO-2
Dry WT	Zinc (Dry Weight Test)	1.0000	8	8.000000	80.000000	80.0	10.000000			WO-2
Dry WT	Percent Solids (Dry Weight)	1.0000	10	10.000000	10.000000	10.0				WO-2

Alternatively, TITAN® provides a configuration setting that displays the adjusted for dry weight values in separate columns, “Dry Weight Corrected” and “Dry Weight Reported”, instead of the result’s “Corrected Value” and “Reported Value” columns.

Server Configuration

LIMS

Business

Communication

- Use Peer Review
- Analyst Requires Training
- Enable Continuous QC
- Auto Create Chained Aliquots
- Calculated Results are Read Only
- Ignore Result State on DMR Report
- Require Collect Date on Accept Sample
- Results use Bankers Rounding
- Auto Schedule Samples
- Auto Apply Vendor Product Analysis Plans
- Auto Update QC on Batch
- Send Email on Sample Completion
- Filter Analysis Methods by Project on by Default
- Filter Collectors by Customer
- Use Separate Analyte for Dry Weight

Below MDL Reported Value:

Aggregate Result Use Corrected

Aggregate Result Report Only

Hide Analysis Methods on Sample Login

Refresh Save Save & Close

Method Reference	Analyte	Dilution Factor	Measured Value	Numeric Value	Corrected Value	Reported Value	% Solids	Dry Weight Corrected	Dry Weight Reported	Aliquot
Dry WT	Arsenic (Dry Weight Test)	1.0000	3	3.000000	30.000000	3.00	10.000000	30.000000	30.0	WO-2310
Dry WT	Zinc (Dry Weight Test)	1.0000	8	8.000000	80.000000	8.00	10.000000	80.000000	80.0	WO-2310
Dry WT	Percent Solids (Dry Weight)	1.0000	10	10.000000	10.000000	10.0				WO-2310

Applies To:

- TITAN® v3 and higher

RELATED KNOWLEDGE BASE ARTICLES:

KB2009 - Setting Analyte Sig Figs, Cutoffs, and Decimals

Accelerated Technology Laboratories Inc.

Founded in 1994, Accelerated Technology Laboratories, Inc., launched the first commercially available Windows-based Laboratory Information Management System (LIMS). More than two decades and several hundred installations later, Sample Master is a market-leading solution with thousands of users around the world. ATL is recognized for our strong commitment to quality, investment in research and development, and team of professionals. We hire experts with impeccable academic credentials in the fields of chemistry, engineering, water and wastewater, microbiology, medical technology, toxicology, biotechnology, laboratory management, validation, software development, computer science, engineering, and business. Several hold MS and Ph.D. degrees. ATL professionals are highly sought-after speakers and thought leaders. We are actively involved in the scientific community. Our affiliations and partnerships allow us to deliver the most current leading-edge technology to our users. ATL also offers TITAN® LIMS, enhancement products, support, and consulting services worldwide.

For more information: www.atlab.com



496 Holly Grove School Rd
West End, NC 27376

toll-free: 800.565.LIMS (5467)
phone: 910.673.8165
fax: 910.673.8166

www.atlab.com
info@atlab.com

WP001 | KB00004 - 063021