

Product Information Certificate

AR091

Calcium Oxalate
(Calcium Oxalate monohydrate, 95%)

LOT # 821C

Theoretical Weight Loss Values:

H₂O @ 200°C - 12.3%

CO @ 450°C - 19.2%

CO₂ @ 850°C - 30.1%

Total LOI - 61.6%

This Organic Analytical Standard (OAS) contains 50g of high purity Calcium Oxalate (CaC₂O₄·H₂O) powder for intended use as a routine working standard for the determination of weight loss by Thermogravimetric Analysis (TGA) or by muffle furnace technique. Refer to your instrument manufacturer's recommendations and/or test method for uncertainty capabilities and minimum sample size.

Store tightly sealed under normal laboratory conditions. Dry for 1 hour at 105°C prior to use.

This is a high purity material and is verified by its purity and empirical stoichiometry in accordance with recommendations of the Analytical Chemistry Section of the International Union of Pure and Applied Chemistry.

For good laboratory practice it is recommended that all standards be verified as fit for purpose prior to use. Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Alpha Resources be liable for incidental or consequential damages.

Reported values are valid for five years from the date of release.

Release Date: June 15, 2022

Dustin Jenkins, Ph.D.

Global Technical Director