

## **Loss On Ignition CRM (LOI)**

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | AR-4105                           |
| Unit            | 100 g                             |
| Deliverydetails | No Dangerous Good /not restricted |

### Description

Verified using ASTM C25-19 referee method ARI-LAB-620, and TGA ARI-LAB-633. References used ? AR4105-419A, AR4107-419C, AR4105-1016A, AR4106-419B, AR5029-420Y /// This is a Certified Reference Material CRM produced in accordance with ISO 17034 /// This standard was produced using high purity materials based upon their empirical and stoichiometric properties. These materials were blended and weighed on balances that are calibrated using NIST traceable weights. Metrological traceability is to the SI derived unit of mass fraction expressed as percent. This reference was produced and sampled for testing in accordance with ARI-LAB-608. The sample size used for the verification tests were 1g. Refer to your instrument manufacturer or test method for your required sample size and overall test method repeatability and reproducibility factors if needed /// The intended use of this standard is for the verification and quality check of LOI using ASTM methods utilizing a muffle furnace or TGA (Thermal Gravimetric Analysis) instrumentation. It is recommended this standard be dried per your test method, instrument manufacturer recommendations, or at 105° C to a constant mass prior to use. Ample amounts of air must be available for complete combustion, do not use covers. This reference does not contain any sulfur and no determination or corrections are needed. This bottle contains 100g powder material to be used directly and per your test method requirements.

| Text/Information                    | Analyte/Parameter      | CAS number | Concentration/Value | Unit | Method | Source |
|-------------------------------------|------------------------|------------|---------------------|------|--------|--------|
| (k=2, @ 95% confidence limit, n=31) | Loss on Ignition (LOI) |            | 5,13 ± 0,09         | %    |        |        |