

Central Quality Laboratory

ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 ISO 50001: 2018

Integrated Lime Plant

Subaan Lime Private Limited
Village Berathal,, Tehsil Khimsar, Rajasthan – 341025, India

Certificate of Typical Analysis

Product : Cal Fill

A. Chemical Analysis (Indicative Range*)

1. CaCO_3 (Calcium Carbonate) $\geq 95 \%$
2. MgO (Magnesium Oxide) $\leq 1.5 \%$
3. Fe_2O_3 (Iron Oxide) $\leq 0.15 \%$
4. AI (Acid Insoluble) $\leq 1.5 \%$
5. **Moisture** $\leq 0.5 \%$

B. Size**

1. Majority passing 100–400 mesh
2. Typical D50 range : 30–100 micron
3. Final grading customised as per application

C. Particle Size Distribution***

1. **Oversize (> Top cut)** – Nil / Trace
2. **Coarse fraction** – Controlled
3. **Functional size band**– Predominant
4. **Ultrafines** – Controlled / Limited
5. **Final PSD adjustable within agreed feed process limits**

* Chemical composition is maintained through controlled mining, beneficiation and calibrated grinding. Final values may be aligned within mutually agreed formulation and processing requirements.

** Declared nominal size range is representative of standard production capability. Final grading can be customised to suit mixing, dispersion, extrusion and coating system requirements.

*** Particle size distribution is indicative of controlled supply range. Target fractions may be optimised based on rheology behaviour, filler loading efficiency and customer-specific product performance needs.

Approved by – Head Quality