

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 : SoilCal

A. Chemical Analysis (Indicative Range*)

1. Total Carbonate (as CaCO₃) ≥ 90 %
2. Neutralizing Value (CCE) ≥ 90 %
3. MgCO₃ (Magnesium Carbonate) = 1-4 % (grade dependent)
4. AI (Acid Insoluble / Siliceous matter) ≤ 3 %
5. Moisture ≤ 2 %

B. Size**

Agricultural lime grade — granular / powder

Typical supply window:

1. Granular : 0mm – 2 mm
2. Powder : Majority passing 100 mesh (~150 µm)
3. Fine powder : Majority passing 200 mesh (~75 µm)

C. Particle Size Distribution***

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

*Chemical composition is maintained through controlled mine planning, beneficiation and calibrated blending. Final values may be aligned within mutually agreed soil amendment and neutralization performance requirements.

** Declared nominal size represents indicative production capability. Final grading can be customised to suit spreading systems, soil incorporation depth and field application practices.

*** Particle size distribution is indicative of controlled supply range. Target fractions may be optimised based on soil pH correction kinetics, magnesium delivery, nutrient availability and customer-specific agronomic programmes.

Approved by – Head Quality