

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 : Sulfa Fix

A. Chemical Analysis (Indicative Range*)

1. CaCO_3 (Calcium Carbonate) $\geq 95 \%$
2. CaO (Calcium Oxide) $\geq 53.5\%$
3. MgO (Magnesium Oxide) = 0.8% to 2%
4. SiO_2 (Silica) = 0.5 to 2%
5. Al_2O_3 (Alumina) $\leq 0.5\%$
6. LOI (Loss of Ignition) $\geq 42 \%$

B. Size :**

1. 0–3 mm granules
2. 0.5 -1 mm Coarse powder
3. <0.5 mm fine grades
4. As per Process Requirement

C. Particle Size Distribution***

1. Oversize (>1/2/3 mm as per customer) – Nil
2. Coarser Fraction (0.5 -1.0mm) – Controlled (5 to 10 %)
3. Reactive Fraction (0.01 – 0.5 mm) - Predominant
4. Ultrafine (< 0.1 mm) – Controlled/Limited (< 5 %)

* Chemical ranges are maintained through integrated mine planning, beneficiation and controlled processing at plant. Final specifications may be aligned within mutually agreed limits based on absorber chemistry, Ca/S ratio and emission performance requirements.

** Declared nominal size is representative production capability. Final size range can be customised to suit process requirements.

*** PSD indicative of production capability, final fractions adjustable as per scrubbing, sulphur reactivity and dosing requirements.

Approved by – Head Quality