

# 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 : pH Optima**

**A. Chemical Analysis ( Indicative Range\*)**

1. CaCo<sub>3</sub> (Calcium Carbonate) ≥ 92 %
2. CaO ( Calcium Oxide ) ≥ 52%
3. SiO<sub>2</sub> ( Silica) ≤ 2 %
4. CCE (Neutralizing Value) ≥ 97%

**B. Size\*\* :**

1. 0 – 3 mm granules
2. 0.05 – 0.18 mm powder grades (≈ 80–300 mesh)
3. < 0.05 mm ultra-fine grades (<300 mesh)

**C. Particle Size Distribution\*\*\***

1. Oversize– Nil
2. Coarser Fraction– Controlled ( 5 to 10 %)
3. Reactive Fraction - Predominant
4. Ultrafine– Controlled/Limited
5. Customize PSD

\*Chemical ranges are maintained through scientific mine planning, beneficiation and controlled processing at plant. Final specifications may be aligned within mutually agreed limits based on neutralisation efficiency, absorber / water chemistry and dosing performance requirements.

\*\* Declared nominal size range is representative of standard production capability. Final size band and top-cut can be customised to suit plant-specific handling, dissolution and dosing systems.

\*\*\* Particle size distribution is indicative of controlled production capability. Target fractions may be optimised within agreed limits based on reaction kinetics, sulphur / acidity load and customer-specific process conditions.

**Approved by – Head Quality**