

# 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 : Glass Pure**

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

1. CaO ( Calcium Oxide)  $\geq 53$  %
2. Fe<sub>2</sub>O<sub>3</sub> (Ferric Oxide)  $\leq 0.06$  %
3. MgO (Magnesium Oxide)  $\leq 2$  %
4. SiO<sub>2</sub> (Silica)  $\leq 1.5$  %

**A. Size\*\***

1. 0.125 mm – 2.0 mm (Typical supply window)
2. 0.25mm – 1 mm (Primary Band)
3. Custom size as per customer requirement

**B. Particle Size Distribution\*\*\***

1. **Oversize (> Top cut)** – Nil / Trace
2. **Coarse fraction** – Controlled
3. **Functional size band**– Predominant
4. **Ultrafines** – Controlled / Limited
5. Narrow particle size distribution for efficient batching
6. Custom PSD aligned to furnace and batching systems

\*Chemical ranges are maintained through scientific mine planning, beneficiation, optical sorting and controlled processing. Final specifications may be aligned within mutually agreed limits based on glass chemistry, iron control and optical performance requirements.

\*\* Declared nominal size is representative of standard production capability. Final size band, top-cut and fines control can be customised to suit plant-specific handling, batching and furnace feeding systems.

\*\*\* Particle size distribution is indicative of controlled production capability. Target fractions may be optimised within agreed limits based on batching precision, melting behaviour, dust control and plant-specific operating conditions.

**Approved by – Head Quality**