



TECHNICAL DATA SHEET

Product: Feldspar (UFSF-3)

Clients:



Uses: Ceramics

| Chemical Analysis | | |
|--------------------------------|----------------|---------------|
| Oxide | Percentage (%) | Tolerance (%) |
| K ₂ O | >3.0 | ±0.5 |
| Na ₂ O | >3.5 | ±0.5 |
| Fe ₂ O ₃ | 0.45 | ±0.05 |
| TiO ₃ | <0.08 | |
| Al ₂ O ₃ | 14.5 | ±1.5 |
| SiO ₂ | 73.5 | ±1.5 |
| CaO | 0.5 | ±0.2 |
| MgO | <0.09 | |
| P ₂ O ₅ | 0.01 | |
| MnO | 0.02 | |
| L.O.I | 0.4 | ±0.1 |

| Physical Test Report | | | |
|----------------------|---|--|------|
| SI.NO. | Parameters | Specification | |
| 1 | Partial Size | 0.0 - 5.0 mm | |
| 2 | Moisture | <0.5% | |
| 3 | Acid Test in 20% HCL | No Effervescence | |
| 4 | Sample Firing Temperature Cycle Time | 1220°C, 8 hours cycle in lab Muffle Furnace | |
| 5 | Firing Results | L Value | >50 |
| | | A Value | <5.0 |
| | | B Value | <6.0 |

| Particle Size Distribution | | | | | |
|----------------------------|---------|---------|---------|---------|---------|
| Size (micron) | 0.0-0.5 | 0.5-1.0 | 1.0-2.0 | 2.0-4.0 | 4.0-5.0 |
| Percentage (%) | 34 | 20 | 24 | 19 | 3 |