



SPECIFICATIONS FOR RAW MATERIALS

ISSUE : 05
SECTION : 54.0
REV : 00
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BIKANER CLAY POWDER

1. General : This Specification governs the requirements of Bikaner Clay. The clay shall be free from foreign material such as sand, red ochre and lumps.
2. Application : To serve as one of the constituents in the Ceralin.
3. Form : It should be in powder form
4. Physical Properties :
 - a) Particle size above $10\mu\text{m}$ $9\pm 4\%$
 - b) Free iron content shall be less than 0.05%.
 - c) 75 Microns sieve : 100% Pass
 - d) Retention on $45\mu\text{m}$ sieve : 1.5% Max.
 - e) Water absorption less than 0.5%
 - f) Green Strength Min. 50 kg/cm^2
5. Chemical Composition :
 - a) SiO_2 : $57.5 \pm 3.5\%$
 - b) Al_2O_3 : $28.5 \pm 2.5\%$
 - c) Fe_2O_3 : Less than 2%
 - d) L.O.I : $11.0 \pm 2.0\%$
6. Packing : 50 kg in HDPE double bags

PREPARED BY

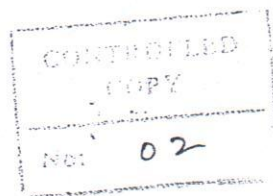
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SPECIFICATIONS FOR RAW MATERIALS

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BIKANER CLAY

1. General : This Specification governs the requirements of Bikaner Clay.
2. Application : To serve as one of the constituents in the manufacture of porcelain body mass.
3. Particle Size : Particle Size
above 10 μm : 9 ± 4 %
4. Residue over 45 μm -sieve : Maximum 1.5 %
5. % Water absorption : Less than 0.5 %
6. Green Strength (kgs/Cm²) : Minimum 50.0
7. Viscosity : ≤ 27 poise
8. Freedom from Defects : The clay shall be free from foreign materials such as sand and red ochre.
9. Chemical Composition :
 - a) SiO₂ 57.5 ± 3.5 %
 - b) Al₂O₃ 28.5 ± 2.5 %
 - c) Fe₂O₃ Less than 2.0 %
 - d) L.O.I..... 11.0 ± 2.0 %

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