



## SPECIFICATIONS FOR RAW MATERIALS

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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  $\text{kg}/\text{cm}^2$
5. Chemical Composition :
  - a)  $\text{SiO}_2$  :  $57.5 \pm 3.5\%$
  - b)  $\text{Al}_2\text{O}_3$  :  $28.5 \pm 2.5\%$
  - c)  $\text{Fe}_2\text{O}_3$  : Less than 2%
  - d) L.O.I :  $11.0 \pm 2.0\%$
6. Packing : 50 kg in HDPE double bags

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