



SPECIFICATIONS FOR RAW MATERIALS

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CALCINED ALUMINA FOR HVAC PORCELAIN

1. General : This Specification governs the requirement of Calcined Alumina
2. Application : To serve as one of the constituents in HVAC Alumina porcelain.
3. Freedom from Defects : Shall be free from foreign materials.
4. Properties :
 - a) Al_2O_3 99.5 % Minimum
 - b) Na_2O 0.3 % Maximum
 - c) Average Particle Size
(D_{50} Value) : 5.5 μm (Max.)
%Particle Size >10 μm : 14 (Max.)
 - d) Alpha Content : 95% Minimum

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CALCINED ALUMINA FOR CERALIN

1. General : This Specification governs the requirement of Calcined Alumina for Ceralin.
2. Application : To serve as one of the constituents in the manufacture of Ceralin
3. Freedom from Defects : Shall be free from foreign materials & supplier should guarantee minimum 90 % Alpha content
4. Properties :
 - % Al_2O_3 : 99.2 % Minimum
 - % Na_2O : 0.35 % Maximum
 - % Particle Size $>10 \mu\text{m}$: 20% Max.

Average Particle Size
(D_{50} Value) : 4.0 to 6 μm

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CALCINED ALUMINA FOR HVDC/HVAC PORCELAIN

1. General : This Specification governs the requirement of Calcined Alumina.
2. Application : To serve as one of the constituents in the manufacture of HVDC / HVAC porcelain body.
3. Freedom from Defects : Shall be free from foreign materials & supplier should guarantee min. 95% Alpha content.
4. Properties :
 - Average Particle Size (D₅₀ Value) : 5.5 μ m Max.
 - % Particle Size above 10 μ m : 14.0 max.
 - % Al₂O₃ : 99.5 Min.
 - % Na₂O : 0.10 Max

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