

SPECIFICATIONS FOR RAW MATERIALS

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FELCITE POWDER

1. General : This Specification governs the requirements of Felcite powder.
2. Application : To serve as one of the constituents in the manufacture of porcelain body mass.
3. Particle Size : Powder
 1. Residue over 1000 μ m sieve shall be less than 1.5 %.
 2. Below 150 μ m sieve shall be between 50% to 75%.
4. Freedom from Defects : Shall be free from foreign materials. Free Iron in powder shall not exceed 0.01%.
5. Chemical Composition :
 - a) SiO_2 75.5 ± 2.5 %
 - b) Al_2O_3 15.0 ± 1.5 %
 - c) Fe_2O_3 Less than 1.5 %
 - d) KNaO 8.0 ± 1.0 %
 - e) L.O.I..... Less than 1.0 %

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SERICITE POWDER

1. General : This Specification governs the requirements of Sericite powder.
2. Application : To serve as one of the constituents in the manufacture of porcelain body mass.
3. Particle Size : Powder
 1. Residue over 1000 μ m sieve shall be less than 1.0 %.
 2. Below 150 μ m sieve shall be above 75%.
4. Freedom from Defects : Shall be free from foreign materials. Free Iron in powder shall not exceed 0.01%.
5. Chemical Composition :
 - a) SiO_2 50.0 ± 5.0 %
 - b) Al_2O_3 32.5 ± 2.5 %
 - c) Fe_2O_3 Less than 1.0 %
 - d) KNaO 8.0 ± 1.0 %
 - e) L.O.I..... Less than 5.0 %

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L.A.PYROPHYLLITE POWDER

1. General : This Specification governs the requirements of L.A.Pyrophyllite.
2. Application : To serve as one of the constituents in the manufacture of porcelain body mass.
3. Particle Size : Powder
 1. Residue over 1000 μm sieve shall be less than 0.2 %.
 2. Below 150 μm sieve shall be above 80%.
4. Freedom from Defects : Shall be free from foreign materials. Free Iron in powder shall not exceed 0.01%.
5. Chemical Composition :
 - a) SiO_2 63.5 ± 3.0 %
 - b) Al_2O_3 28.0 ± 2.0 %
 - c) Fe_2O_3 Less than 1.0 %
 - d) KNaO Less than 1.5 %
 - e) L.O.I..... 4.5 ± 1.5 %

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TALC

1. General : This Specification governs the requirements of Talc Powder.
2. Application : To serve as one of the constituents in the manufacture of alumina body and Ceramic glaze.
3. Form : It should be supplied in powder form and should pass through 150 μ m sieve. (Data for information only)
4. Chemical Composition :
 - a) SiO_2 $61.0 \pm 2.0 \%$
 - b) MgO $30.0 \pm 2.0 \%$
 - c) CaO Less than 6.0%
 - d) Fe_2O_3 Less than 3.0%
 - e) Al_2O_3 Less than 2.0%
 - f) L.O.I $4.0 \pm 2.0 \%$
5. Moisture Content : Nil

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DOLOMITE POWDER

1. General : This Specification governs the requirements of Dolomite Powder.
2. Application : To serve as one of the constituents in the Ceramic glaze.
3. Form : It should be supplied in powder form and should pass through 150 μ m sieve. (Data for information only)
4. Chemical Composition :
 - a) CaO 30 ± 2.0 %
 - b) MgO 20 ± 2.0 %
 - c) Fe_2O_3 Less than 2 %
 - d) L.O.I..... 43.5 ± 3.5 %
5. Moisture Content : Nil

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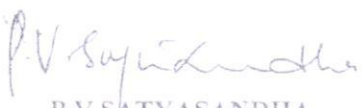
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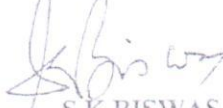
CALCITE POWDER

1. General : This Specification governs the requirements of Calcite Powder.
2. Application : To serve as one of the constituents in the Ceramic glaze.
3. Form : It should be supplied in powder form and should pass through 150 μ m sieve. (Data for information only)
5. Chemical Composition :
 - a) CaO 52 ± 2.5 %
 - b) Fe-O₃ Less than 2 %
 - c) L.O.I..... Less than 50.0 %
6. Moisture Content : Nil

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