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# **SPECIFICATIONS** FOR RAW MATERIALS

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## FELCITE POWDER

- : This Specification governs the requirements of Felcite powder.
- Application
- of one : To serve as constituents in the manufacture of porcelain body mass.
- 3. Particle Size
- : Powder
  - 1. Residue over 1000 µm sieve shall be less than 1.5 %.
  - 2. Below 150 μm sieve shall be between 50% to 75%.
- 4. Freedom from Defects
- be free from : Shall materials. Free Iron in powder shall not exceed 0.01%.
- 5. Chemical Composition : a)  $SiO_2$  ....  $75.5 \pm 2.5 \%$ 

  - b)  $Al_2O_3$  ....  $15.0 \pm 1.5 \%$
  - c) Fe<sub>2</sub>O<sub>3</sub> .... Less than 1.5 %
  - d) KNaO ....  $8.0 \pm 1.0 \%$
  - 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 µm sieve shall be less than 1.0 %.
  - Below 150 μm 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)  $SiO_2$  ....  $50.0 \pm 5.0 \%$ 
  - b)  $Al_2O_3$  ....  $32.5 \pm 2.5 \%$
  - c) Fe<sub>2</sub>O<sub>3</sub> .... 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
  - Residue over 1000 μm sieve shall be less than 0.2 %.
  - 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)  $SiO_2$  ....  $63.5 \pm 3.0$  %
  - 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....  $4.5 \pm 1.5 \%$

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# **SPECIFICATIONS** FOR RAW MATERIALS

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### TALC

- 1. General
- Application
- 3. Form

- : This Specification governs the requirements of Talc Powder.
- : To serve as one constituents in the manufacture of of alumina body and Ceramic glaze.
- : It should be supplied in powder form and should pass through 150 µm sieve. (Data information only)
- 4. Chemical Composition
- : a)  $SiO_2$  ....  $61.0 \pm 2.0 \%$ 
  - b) .... 30.0 ± 2.0 % MgO
  - C) .... Less than 6.0 % Cao
  - $Fe_2O_3$  .... Less than 3.0 % d)
  - e) Al<sub>2</sub>O<sub>3</sub> .... Less than 2.0 %
  - L.O.I .... 4.0 ± 2.0 %
- 5. Moisture Content

Nil

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### DOLOMITE POWDER

General

- : This Specification governs the requirements of Dolomite Powder.
- 2. Application
- : To serve as one of constituents in the Ceramic glaze.

3. Form

- : It should be supplied in powder form and should pass through 150 μm 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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## **SPECIFICATIONS** FOR RAW MATERIALS

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### CALCITE POWDER

1. General

- : This Specification governs the requirements of Calcite Powder.
- 2. Application
- : To serve as one of constituents in the Ceramic glaze.

3. Form

- : It should be supplied in powder form and should pass through 150 μm sieve. (Data for information only)
- 5. Chemical Composition : a) CaO .... 52  $\pm$  2.5 %

  - b) Fe-O3 .... Less than 2 %
  - c) L.O.I.... Less than 50.0 %
- 6. Moisture Content : Nil

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