

## 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  $\mu\text{m}$  sieve shall be less than 1.5 %.
  2. Below 150  $\mu\text{m}$  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)  $\text{SiO}_2$  ....  $75.5 \pm 2.5$  %
  - b)  $\text{Al}_2\text{O}_3$  ....  $15.0 \pm 1.5$  %
  - c)  $\text{Fe}_2\text{O}_3$  .... Less than 1.5 %
  - d)  $\text{KNaO}$  ....  $8.0 \pm 1.0$  %
  - 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  $\mu$ m sieve shall be less than 1.0 %.
  2. Below 150  $\mu$ 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)  $\text{SiO}_2$  ....  $50.0 \pm 5.0$  %
  - b)  $\text{Al}_2\text{O}_3$  ....  $32.5 \pm 2.5$  %
  - c)  $\text{Fe}_2\text{O}_3$  .... Less than 1.0 %
  - d)  $\text{KNaO}$  ....  $8.0 \pm 1.0$  %
  - 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  $\mu\text{m}$  sieve shall be less than 0.2 %.
  2. Below 150  $\mu\text{m}$  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)  $\text{SiO}_2$  ....  $63.5 \pm 3.0$  %
  - b)  $\text{Al}_2\text{O}_3$  ....  $28.0 \pm 2.0$  %
  - c)  $\text{Fe}_2\text{O}_3$  .... Less than 1.0 %
  - d)  $\text{KNaO}$  .... Less than 1.5 %
  - e) L.O.I.....  $4.5 \pm 1.5$  %

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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  $\mu$ m sieve. (Data for information only)
4. Chemical Composition :
  - a)  $\text{SiO}_2$  ....  $61.0 \pm 2.0 \%$
  - b)  $\text{MgO}$  ....  $30.0 \pm 2.0 \%$
  - c)  $\text{CaO}$  .... Less than  $6.0 \%$
  - d)  $\text{Fe}_2\text{O}_3$  .... Less than  $3.0 \%$
  - e)  $\text{Al}_2\text{O}_3$  .... 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  $\mu$ m sieve. (Data for information only)
4. Chemical Composition :
  - a) CaO ....  $30 \pm 2.0$  %
  - b) MgO ....  $20 \pm 2.0$  %
  - c)  $\text{Fe}_2\text{O}_3$  .... Less than 2 %
  - d) L.O.I.....  $43.5 \pm 3.5$  %
5. Moisture Content : Nil

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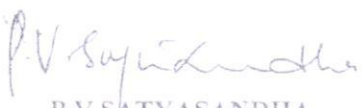
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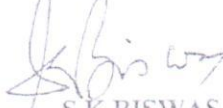
### CALCITE POWDER

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  $\mu$ m sieve. (Data for information only)
5. Chemical Composition :
  - a) CaO ....  $52 \pm 2.5$  %
  - b) Fe-O<sub>3</sub> .... Less than 2 %
  - c) L.O.I..... Less than 50.0 %
6. Moisture Content : Nil

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