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SPECIFICATIONS FOR RAW MATERIALS

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CARBOXY METHYL CELLULOSE (CMC)

Pesil - 1. General

: This Specification governs the requirement of carboxy methyl cellulose.

Application

: To serve as binder in Brown glaze before glazing.

ps f co 3. Visual Appearance

: Should be free from nodules.

ther is 4. Physical Properties

: % Moisture content : 11 ± 2

Viscosity (poise) : 9 to 12

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IRON OXIDE

1. General

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

3. Form

26 AU----

Calai - Cara

翻译:"

- : It should be supplied in powder form and should pass through 150 µm sieve. (Data for information only)
- 4. Chemical Composition
- : a) Fe₂O₃ More than 95 %
 - b) L.O.I.... Not more than 2.0 %
- 5. Moisture Content

: Nil

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SPECIFICATIONS FOR RAW MATERIALS

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JAPAN BALL CLAY

pici : 1. General

- : This Specification governs the requirements of Japan Ball Clay.
- 44. 2. Application
- : To serve as one of the constituents in the manufacture of porcelain body mass.
- 3. Particle Size
- : Particle Size
 - above 10 µm : 5 % Max
- 4. Residue over 45μm sieve : Maximum 0.5 %

 - 5. % Water absorption
- : Nil
- 6. Green Strength (kgs/Cm2): Minimum 50.0

 - 7. Freedom from Defects
- : The clay shall be free from foreign materials such as sand
 - and red ochere.
- 8. Chemical Composition : a) SiO_2 46.5 ± 2.5 %
 - b) Al_2O_3 $34.0 \pm 2.0 \%$
 - c) Fe_2O_3 Less than 2.0 %
 - d) L.O.I.... 15.0 ± 2.0 %

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WASHED THAN CLAY

General

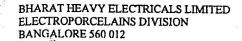
J 19

- : This Specification governs the requirements of Washed Than Clay.
- Application
- : To serve one of as the constituents in the manufacture of porcelain body mass.
- 3. Particle Size
- : Particle Size
 - above 10 µm
- : 22 ± 6 %
- 4. Residue over $45\mu m$ sieve : Maximum 5.0 %
- 5. % Water absorption
- 9.0 ± 4.0 %
- 6. Green Strength (kgs/Cm²):
- Minimum 55.0
- 7. Freedom from Defects
- The clay shall be free from foreign materials such as sand
- and red ochere.
- Chemical Composition
- : a) SiO_2 $60.0 \pm 2.5 \%$
 - b) Al_2O_3 25.0 ± 2.5 %
 - c) Fe_2O_3 Less than 1.5 %
 - d) L.O.I.... 12.0 ± 2.5 %

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ENGLISH HYMODE PKH BALL CLAY

General

: This Specification governs the requirements of English Hymod Blue

PKH Ball Clay.

2. Application

: To the serve as one of

constituents in the Manufacture

of Porcelain body mass.

Particle Size

: Particle Size

above 10 µm

: less than 5 %

4. Residue over 45µm sieve : Maximum 0.5 %

5. % Water absorption

: Nil

6. Green Strength (kgs/Cm²):

Minimum 50.0

7. Freedom from Defects

The clay shall be free from foreign materials such as

and red ochere.

Chemical Composition

: a) SiO_2 $52.5 \pm 2.5 \%$

b) Al_2O_3 $30.5 \pm 2.5 \%$

c) $Fe_2O_3...$

Less than 2.0 %

d) L.O.I....less than 12 %

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RAW QUARTZ POWDER FOR ASSEMBLY

1. General

: This Specification governs the Requirements of Raw Quartz powder

for Assembly.

- 2. Application
- : To serve as one of the constituents in the preparation of Cement mixture.
- 3. Particle Size
- : 1. Residue over 1000 μm sieve shall be less than 3.0 %
 - 2. Below 600 µm sieve shall be less than 25 %
- 4. Freedom from Defects
- : Shall be free from foreign materials. Free Iron in powder shall not exceed 0.01%.

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SANDING - INSULATOR GROG

1. General

- : This Specification governs the requirements of Sanding Insulator Grog.
- 2. Application
- : To serve as gripping material for the assembly of metal parts on Insulator.
- 3. Particle Size
- : 1. Residue over 1415 µm sieve shall be < 1.0 %
 - 2. Residue over 850 µm sieve shall be > 80 %
- 4. Freedom from Defects
- : Shall be free from foreign materials. Free Iron in powder should be less than or equal to 0.003%.

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