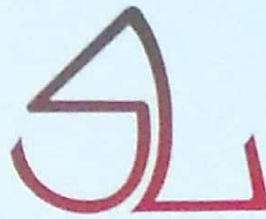


# GARNET



CIN No. U14290GJ2016PTC093703

## **SATYA LAXMI MUD-CHEM PVT LTD**

( An ISO 9001 : 2015 Certified Company )

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# GARNET PRODUCT SPECIFICATION

## Mineralogy :

Garnet Is Pure And Natural Sand. The Varieties of Garnet Are Almandine, Andradite, Grossularite, Pyrope, Spessartite, And Uvarovite.

Our Of All Above Varieties Of Garnet, Almandite Is Best Abrasive Garnet

## Product Identification :

Product Name : Garnet Abrasive / Garnet Almendine

Color : Reddish Pink

Chemical Composition :  $3 \text{ FeO Al}_2\text{O}_3 3\text{SiO}_2$

## Physical Analysis

|                  |                            |
|------------------|----------------------------|
| Specific Gravity | 4.1                        |
| Hardness         | 7.5 to 8.0 ( Moh Scale )   |
| Bulk Density     | 2.4 gm/cm <sup>3</sup>     |
| Conductivity     | < 10 Micron Siemens/ Metre |
| pH               | >7                         |
| Chloride         | < 20 ppm                   |

## Chemical Analysis

|                                |              |
|--------------------------------|--------------|
| Al <sub>2</sub> O <sub>3</sub> | 20-22 %      |
| SiO <sub>2</sub>               | 32-38 %      |
| Fe <sub>2</sub> O <sub>3</sub> | 32-35 %      |
| TiO <sub>2</sub>               | 0.5 -0.8 %   |
| CaO                            | 1.5 - 3.0 %  |
| P <sub>2</sub> O <sub>5</sub>  | 0.05 - 0.2 % |
| MnO                            | 0.5 - 1.5 %  |
| MgO                            | 6-8 %        |
| LOI                            | 0.1-0.3      |

## Grade And Size

|             |                    |
|-------------|--------------------|
| 10 - 30 GR  | 97% OF 10-30 MESH  |
| 20 - 80 GR  | 97% OF 20-80 MESH  |
| 30 - 60 GR  | 98% OF 30-60 MESH  |
| 30 - 80 GR  | 98% OF 30-80 MESH  |
| 40 - 100 GR | 98% OF 40-100 MESH |

