

## Technical Data Sheet

| Potassium Silicate Liquid                |                          |                           |                  |               |
|------------------------------------------|--------------------------|---------------------------|------------------|---------------|
| Product Name                             |                          | Potassium Silicate Liquid |                  |               |
| Product Code                             |                          | KL-28B                    |                  |               |
| <u>Technical Data Sheet (Properties)</u> |                          |                           |                  |               |
| <u>Chemical Properties</u>               |                          |                           |                  |               |
| Sr. NO                                   | Characteristic           | Unit                      | Specification    | Test Method   |
| 1                                        | Weight. Ratio            | -                         | 2.35 - 2.55      | IS-14212:1995 |
| 2                                        | Molar. Ratio             | -                         | 3.65 -3.95       | IS-14212:1995 |
| 3                                        | K <sub>2</sub> O Content | %                         | 8-9              | IS-14212:1995 |
| 4                                        | SiO <sub>2</sub> Content | %                         | 18-20            | IS-14212:1995 |
| 5                                        | Total Solid              | %                         | 26-29            | IS-14212:1995 |
| <u>Physical Properties</u>               |                          |                           |                  |               |
| 6                                        | Appearance               | -                         | Colorless Liquid | Visually      |
| 7                                        | Baume (Degree) at 27 °C  | °Be                       | 28-30            | IS-14212:1995 |
| 8                                        | Sp Gravity               | -                         | 1.240-1.270      | IS-14212:1995 |

### Packing, Loading & Shelf life.

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| Packing              | 50KG,100KG,250KG,300KG HDPE Drums , 1000 to 1200 KG IBC Tank<br>Tanker loading – 10 to 30 MT |
| Loading – W/o Pallet | 50KG,100KG,250KG,300KG – 20 to 24 MT/20FCL<br>1300-1400 KG IBC Tank – 22 to 25 MT/20FCL      |
| Loading – On Pallet  | 50KG & 100KG – 18 to 20MT/20FCL<br>250KG & 300KG – 22 to 26 MT/20FCL                         |
| Shelf Life           | 24 Month under proper storage condition*                                                     |

*\* Proper Storage condition: Keep container tightly closed, keep in cool, dry and ventilated place, and avoid strong acid.*