

**SPECIFICATION FOR DIATOMACEOUS EARTH KIESELGUHR (DIATOMEEN)**

| S.# | PARAMETERS                                    | RESULTS                                             |
|-----|-----------------------------------------------|-----------------------------------------------------|
| 1   | Color                                         | White                                               |
| 2   | Smell                                         | Without                                             |
| 3   | Taste                                         | Neutral                                             |
| 4   | Wet Density                                   | 0.29 – 0.340                                        |
| 5   | Permeability (Darcy)                          | 8.00 – 11.00                                        |
| 6   | Humidity                                      | Max. 0.5 % ✓                                        |
| 7   | Loss on Ignition                              | Max. 1 %                                            |
| 8   | Gravity Share                                 | Max. 50 %                                           |
| 9   | PH- Index of suspension                       | (9-10) of 10%                                       |
| 10  | Rate of Flow (cm <sup>3</sup> )               | i. in 01 min (610-760)<br>ii. in 03 min (1120-1350) |
|     | <b>Chemical Analysis (Nominal percentage)</b> | <b>According to test method: ASTM C 575-81</b>      |
|     | SiO <sub>2</sub>                              | 90.3%                                               |
|     | Fe <sub>2</sub> O <sub>3</sub>                | 1.4%                                                |
| 11  | Al <sub>2</sub> O <sub>3</sub>                | 1.68%                                               |
|     | CaO                                           | 0.28%                                               |
|     | MgO                                           | 0.33%                                               |
|     | <b>Distribution</b>                           |                                                     |
|     | >50 micron                                    | 64.50                                               |
|     | 50-30                                         | 11.00                                               |
| 12  | 30-20                                         | 8.00                                                |
|     | 20-10                                         | 11.00                                               |
|     | 10-5                                          | 3.00                                                |
|     | <5                                            | 2.5                                                 |

**Note:**

- Diatomaceous Earth Kieselguhr is used for filtration of Somentor oil N-60 / Q8 Bach RFX-8 oil used in 4 Hi Cold Rolling Mill.
  - Diatomaceous Earth Kieselguhr is used in combination with High Active Bleaching Earth Tonsil Optimum 312 FF in ratio 1:7 (1 part High Active Bleaching Earth Tonsil Optimum 312 FF / 7 part Diatomaceous Earth Kieselguhr).
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