# MANSIL®-ABR

## ABRASIVE GRADE PRECIPITATED SILICA

### DESCRIPTION

ULTRA WHITE FINE MILLED POWDER HAVING EXCELLENT MEDIUM ABRASIVE PROPERTY RESULTING IN SUPERIOR CLEANING ACTION.

### SPECIFICATIONS

| Sr. No. | PHYSICO-CHEMICAL PROPERTIES | UNIT | TEST METHOD | MANSIL-ABR |
|---|---|---|---|---|
| 1 | Appearance | ** | Visual | White Fine Odourless Powder |
| 2 | Bulk Density (When packed) | gms/lit. | ISO 787/11 | 300 ± 50 |
| 3 | Moisture (at 105°C/2 hrs.) | % | ISO 787/2 | 6.0 Max |
| 4 | Ignition Loss (at 1000°C/2 hrs.) on anhydrous basis | % | ISO 3262/11 | 6.0 Max |
| 5 | pH (5% aqu. suspn.) | ** | ISO 787/9 | 6.0 - 8.0 |
| 6 | Avg. Particle Size, d-50 (Malvern) | Micron | ISO 13320-1 | 7.0 - 12.0 |
| 7 | Residue on 325 Mesh (Wet Sieving) | % | ISO 787/7 | 1.0 Max |
| 8 | $SiO_2$ content on anhydrous basis | % | ISO 3262/19 | 98.5 Min |
| 9 | Soluble Salts | % | ISO 787/13 | 1.5 Max |
| 10 | Refractive Index | ** | ** | 1.4400 - 1.4460 |
| 11 | Transmission (at above RI) | % | ** | 80 Min |
| 12 | Total Heavy Metals (as Pb)<br>(as As) | ppm<br>ppm | ICP-AES | 10 Max<br>2 Max |
| 13 | Linseed Oil Absorption (on drv basis) | ml/100 gm | WI-QCP-XX | 80 Min |
| 14 | Microbiological Analysis<br>(1) TVC<br>(2) Y & M | <br>cfu/gm<br>cfu/gm | WI-QCP-XX | <br>≤ 300<br>≤ 100 |

* Revision Date : 01.05.2020

Revision No : 01

APPLICATIONS : AS CLEANING/POLISHING AGENT FOR GEL/OPAQUE TOOTHPASTE FORMULATIONS.

| PACKING & LOGISTICS | GRADE | NET WEIGHT (KG) | SHIPMENT (MT) | | | | |
|---|---|---|---|---|---|---|---|
| | | | TRUCK LOAD (MT) | CONTAINER LOAD | | | |
| | | | | UN PALLETISED | | PALLETISED | |
| | | | | 20' FCL | 40' FCL | 20' FCL | 40' FCL |
| Laminated HDPE Bags with Inner LDPE liners | MANSIL-ABR | 25 | 9.0 | 13.0 | 26.0 | 10.0 | 24.0 |

Packing : Available in Paper bags, Jumbo bags & EVA bags can also be given as per customer requirement.

Remark : Work Instruction WI-QCP-xx covers Madhav Industries internal Test Methods

Madhav Industries

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