



## CERTIFICATE OF ANALYSIS

### PRODUCT NAME : SILICON DIOXIDE

**CAS No** : 7631-86-9      **Product code** : 17938  
**Mol. Formula** : SiO<sub>2</sub>      **Batch No** : MCR-20437-01  
**A .WT** : 60.08      **Mfd.** : May 2022  
**Date of analysis** : 17/05/22      **Exp.** : April 2027

S.R	Test	Specification	Observation
1	<b>Description</b>	White powder.	White powder.
2	<b>Specific Surface Area (BET)</b>	100 – 140 m <sup>2</sup> /gm	130 m <sup>2</sup> /gm
3	<b>Whiteness</b>	102 - 104	103
4	<b>Moisture Loss (2 Hrs / 105°C)</b>	4 – 6 % by Wt	4.12% by Wt
5	<b>Ignition Loss (2 Hrs / 1000°C)</b>	4 – 6 % by Wt	4.24 % by Wt
6	<b>pH of 5% aqueous suspension</b>	6.8 - 7.2	6.81
7	<b>Water Absorption</b>	270 – 300 % by Wt	280 % by Wt
8	<b>Bulk Density</b>	70 – 90 gms / lit	80 gms / lit
9	<b>Sieve Residue (on 325 mesh)</b>	1-2 % by Wt	1.3 % by Wt
10	<b>Purity - Silica SiO<sub>2</sub></b>	98.00 % by Wt (min.)	98.3 % by Wt
11	<b>Aluminium as Al<sub>2</sub>O<sub>3</sub></b>	0.20 % by Wt (max.)	0.12 % by Wt
12	<b>Sodium Sulphate as Na<sub>2</sub>SO<sub>4</sub></b>	2.00 % by Wt (max.)	1.3 % by Wt
13	<b>Iron as Fe<sub>2</sub>O<sub>3</sub></b>	0.05 % by Wt (max.)	0.04 % by Wt
14	<b>Copper &amp; Manganese</b>	5.00 ppm (max.)	<5.00 ppm

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**HEAD-QUALITY ASSUARANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.