

### Certificate Of Analysis

Customer Name : Abtin Shimi Ogen  
 Product : **Silicon Dioxide (NK-3 HS-T)**  
 Mfg. Date : 26-11-2024  
 Exp. Date : 25-11-2027

Date : 27-11-2024  
 Invoice No. :19/2024-25  
 Batch NO.:26D/11

PROPERTY	UNIT	SPECIFICATION	RESULT
Appearance	-	Snow White Free Flowing Powder	Conf. to Std.
Behaviour towards water	-	Hydrophilic	Conforms
Moisture (105°C) <sup>2</sup>	%	4.5 - 7.5	5.78
Ignition Loss	%	6 max	4.98
Bulk Density	gm/cc	0.06 - 0.08	0.08
pH Value	-	6 - 7.5	6.53
Average Particle Size - D(50)	nm	6 - 8	7.32
Residue on 300 mesh	%	0.1 max	0.06
SiO <sub>2</sub>	%	98 - 99	98.41
Surface Area	sqm/gm	180 - 200	190.32
Water Absorption	%	240 - 270	246
Arsenic	ppm	2 max	0.92
Lead	ppm	15 max	13.78
Mercury	ppm	1 max	0.27
Total Aerobic Microbial coun	cfu/gm	1000 max	100
Total Yeast & Mould	cfu/gm	100 max	10
Storage Stability	Practically unlimited under favorable transport/storage condition		
Packing	kgs/bag	12.5	

Remarks : BATCH NUMBER - 26D/11

\*This is a computer generated document and does not require any signature or stamp.

1) At the time of packing 2) By IR Moisture Balance 3) IS:12076-1986(A-4) 4) Determined on coulter SA 3100 Surface Area Analyzer

(by Nitrogen adsorption BET method) 5) IS: 7589-1974 (A-8) 6) IS: 12076-1986(A-2) 7) IS: 2850-1983 (A-5.1) 8) Based on material

ignited at 900°C for 1 hour. 9) Determined on SEM-XRD machine.

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