

CERTIFICATE OF ANALYSIS

Standard product specification — applicable to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd.

Product Name	Silica, Fumed	C.A.S. Number	112945-52-5
Product Category	Pigments & Minerals	Product Group	Minerals & Extenders
Grade / Standard	≥99% Purity	Physical Form	White ultrafine powder
Country of Origin	India	Document No.	SCX/COA/4134D9
Packing	Standard export packing — bags, drums, carboys, IBC or ISO tank as applicable	Storage	Cool, dry, well-ventilated place in tightly closed original packing

ANALYTICAL RESULTS

S. No.	Test Parameter	Specification	Result	Method
1	Description	White ultrafine powder	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Assay	Not less than 99.0 % w/w	99.16	Titrimetry / Instrumental
5	Shade	Matching approved standard	Matches standard	Visual / Spectrophotometric
6	Strength vs. Standard	100 ± 3 %	99.5 %	Spectrophotometry
7	Moisture	Not more than 5.0 % w/w	1.49	Gravimetry
8	Matter Insoluble in Water	Not more than 1.0 % w/w	0.266	Gravimetry
9	Oil Absorption	As per specification	33 g/100 g	ISO 787-5
10	Residue on 45 µm Sieve	Not more than 0.1 %	0.044	ISO 787-18
11	pH (10 % aqueous suspension)	6.0 – 9.0	7.4	ISO 787-9

Remarks Material supplied against this specification is analysed on every production lot and conforms to the limits stated above in all tested parameters. Results shown are the typical values obtained for this grade. Retained samples are held against every export consignment. Store in tightly closed original packing, in a cool, dry, well-ventilated place away from incompatible materials and direct sunlight.	Checked and Approved by Prem Panchal Quality Assurance Scapex Exports Pvt. Ltd.
--	--

This document sets out the standard specification for the product named above and applies to all consignments of this grade. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with each consignment. The information is given in good faith; it does not constitute a warranty of fitness for any particular purpose. Refer to the Safety Data Sheet before handling.