

## Certificate of Analysis

Date of Testing:	2025-01-18 13:56:55
Date of Next Testing:	2028-01-18 13:56:55
Product Name:	<b>Silicon dioxide</b>
CAS Number:	7631-86-9
Specifications & Purity:	Ph.Eur., JP, NF, colloidal, highly dispersed
Lot #:	A2517056
SKU #	<b>S433677</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>260637</b>
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
PH(4% Water)	3.5-5.5	4.41
Heavy metal (as Pb)	0-0.0025 (%)	0.00 %
Aluminium(Al)	0-0.001 (%)	0.00000 %
Arsenic(As)	0-0.0003 (%)	0.00000 %
Iron(Fe)	0-0.05 (%)	0.00 %
Mercury(Hg)	0-0.0001 (%)	0.00 %
Lead(Pb)	0-0.0005 (%)	0.00 %
Loss on drying	0-2.5 (%)	0.71 %
Specific Surface Area	175-225 (m <sup>2</sup> /g)	186.14 m <sup>2</sup> /g
Loss on ignition (out of dried substance)	0-2 (%)	0.01190 %
Purity(with ignition residue)	99-100.5 (%)	99.01 %
Solubility in H <sub>2</sub> O	0-5 (%)	0.75 %
Chloride (Cl <sup>-</sup> )	0-0.011 (%)	0.00320 %
Appearance(S433677)	White Powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager