

Certificate of Analysis

Date of Testing: 2023-10-24 16:36:51
Date of Next Testing: 2026-10-23 16:36:51
Product Name: **Silicon dioxide**
CAS Number: 7631-86-9
Specifications & Purity: colloidal, highly dispersed, Ph. Eur., JP, NF, E 551
Lot #: J2313463
SKU #: **S433677**
Analysis: **260637**
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 ² /g)	186.14 m ² /g
Loss on ignition (out of dried substance)	0-2 (%)	0.01190 %
Purity(with ignition residue)	99-100.5 (%)	99.01 %
Solubility in H ₂ O	0-5 (%)	0.75 %
Chloride (Cl ⁻)	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".

John Su
QA & QC Manager