

Certificate of Analysis

Compound Information

Product Name:	Niobium(IV) oxide,99% (metals basis)
Cat. No.:	1269266
CAS No.:	12034-59-2
Molecular Formula:	NbO ₂
Molecular Weight:	124.91
Chemical Structure:	



Batch Information

Batch No.:	Lg03f5440
Storage:	Store at room temperature, keep dry and cool
Test Date:	2023-03-20
Retest Date:	2026-03-19
Origin:	Shanghai, China

QC Summary

QC Summary	Specification	Result
Appearance:	Blue to dark blue (Solid)	Dark blue (Granular Solid)
Other Metal Impurities,ω/%:	≤1.0	qualified
Purity,ω/%:	≥99.0	99.95
Silicon(Si),ppm:	≤10.0	qualified
Tungsten (W),ppm:	≤1.0	qualified
Antimony (Sb),ppm:	≤1.0	qualified
Iron(Fe),ppm:	≤10.0	qualified
Copper(Cu),ppm:	≤5.0	qualified
Molybdenum (Mo) ,ppm:	≤1.0	qualified
Tantalum (Ta),ppm:	≤200	qualified
Manganese(Mn),ppm:	≤10.0	qualified
Bismuth (Bi),ppm:	≤1.0	qualified
Nickel(Ni),ppm:	≤1.0	qualified
Chromium(Cr),ppm:	≤5.0	qualified
Titanium (Ti),ppm:	≤1.0	qualified

Aluminium(Al),ppm:	≤10.0	qualified
Fluoride(as F),ppm:	≤150	qualified
Conclusion:	The product has been tested and complies with the given specifications.	

Caution: Research use only and are not intended for human use.

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