

## Certificate of Analysis

Date of Testing: 2022-12-28 13:09:14  
Date of Next Testing: 2024-12-27 13:09:14  
Product Name: **Niobium chloride**  
CAS Number: 10026-12-7  
Specifications & Purity: 99.9% metals basis  
Lot #: L2215942  
SKU #: **N106720**  
**Analysis: 160815**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Assay Cl (titration by AgNO <sub>3</sub> )	64.6-66.6 (%)	64.61%
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.90%
Total Metallic Impuritie	0-1000 (ppm)	999.00 ppm
Appearance (N106720)	yellow powder,crystals and/or chunks	yellow powder,crystals and/or chunks
ICP:Confirms Niobium Component	Confirmed	Confirmed



John Su  
QA & QC Manager