

## Certificate of Analysis

Date of Testing: 2022-03-14 15:07:23  
Date of Next Testing: 2024-03-13 15:07:23  
Product Name: **Niobium chloride**  
CAS Number: 10026-12-7  
Specifications & Purity: 99.9% metals basis  
Lot #: C2208474  
SKU #: **N106720**  
**Analysis:** **060678**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.99%
Total Metallic Impuritie	0-1000 (ppm)	94.00 ppm
Assay Cl (titration by AgNO3)	64.6-66.6 (%)	64.71%
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