

## Certificate of Analysis

Date of Testing: 2021-06-04 09:21:02  
Date of Next Testing: 2025-06-03 09:21:02  
Product Name: **Niobium pentaoxide**  
CAS Number: 1313-96-8  
Specifications & Purity: optical glass grade ,99.99% metals basis  
Lot #: F2101230  
SKU #: **N108411**  
Analysis: **081945**

| Parameter                                       | Limit Values                         | Result                               |
|---|--------------------------------------|--------------------------------------|
| Trace Metal Analysis                            | 0-100 (ppm)                          | 98.00 ppm                            |
| Purity(Based on Trace Metals Impurities of ICP) | 99.99-100 (%)                        | 99.99 %                              |
| Appearance (N108411)                            | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| X-Ray Diffraction                               | Conforms to Structure                | Conforms to Structure                |
| ICP:Confirms Niobium Component                  | Confirmed                            | Confirmed                            |



John Su  
QA & QC Manager