



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-253619  
Lot Number: SAMPLE  
Product Name: Tantalum(V) chloride  
CAS Number: 7721-01-9  
Molecular Formula:  $\text{TaCl}_5$   
Molecular Weight: 358.21

| Test                  | Result                        |
|-----------------------|-------------------------------|
| Appearance            | Powder                        |
| Purity (Metals Basis) | $\geq 99.8\%$                 |
| Solubility            | Clear solution in isopropanol |
| Aluminum              | $< 0.002\%$                   |
| Calcium               | $< 0.005\%$                   |
| Chromium              | $< 0.001\%$                   |
| Iron                  | $< 0.005\%$                   |
| Magnesium             | $< 0.003\%$                   |
| Manganese             | $< 0.001\%$                   |
| Molybdenum            | $< 0.001\%$                   |
| Nickel                | $< 0.001\%$                   |
| Niobium               | $< 0.05\%$                    |
| Silicon               | $< 0.003\%$                   |
| Titanium              | $< 0.001\%$                   |
| Tungsten              | $< 0.01\%$                    |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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