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Certificate of analysis

Reference #: TA4846-05251

Date 5/27/2021

| | | | | | |
|--------------|--------------------------------------|-------------------|------------------|--------|------------|
| Product name | Tantalum (V) ethoxide, 99.99% | | | | |
| Ereztech # | TA4846 | CAS# | 6074-84-6 | Purity | |
| Lot/batch # | 05251 | Net weight/volume | 5000 g | Seal # | N/A |
| Packaging | 6 x 1 kg | Storage | | | |
| CofO | USA | | | | |

| Analytical results | | | | | | |
|-----------------------|---------------------|------|----|------|----|------|
| Emission Spectroscopy | %Ta = 44.81% | | | | | |
| MP | 18-19C | | | | | |
| Impurity weight, ppm | Ag | <1 | Cr | <0.5 | Si | <5 |
| | Al | 1.4 | Fe | <10 | Sn | <2 |
| | As | <2 | K | <1 | Sr | <0.5 |
| | B | <2 | Li | <0.5 | Ta | main |
| | Ba | <1 | Mg | <0.5 | Ti | <0.5 |
| | Be | <1 | Mn | <2 | V | <2 |
| | Bi | <0.2 | Mo | <0.5 | Zn | <0.5 |
| | Ca | <2.5 | Na | <5 | Zr | <0.5 |
| | Cd | <0.2 | Nb | 15.3 | | |
| | Co | <1 | Pb | <1 | | |

Packaged Under nitrogen