

## Certificate of Analysis

Date of Testing: 2022-09-26 18:50:33

Date of Next Testing: 2026-09-25 18:50:33

Product Name: **Tin oxide**

CAS Number: 18282-10-5

Specifications & Purity: nanopowder, 99.99% metals basis, < 50nm

Lot #: I2221048

SKU #: **S293172**

**Analysis:** **140101**

Storage Temperature: Desiccated

| Parameter                               | Limit Values             | Result                   |
|-----------------------------------------|--------------------------|--------------------------|
| Purity Based on Trace Metals Impurities | 99.99-100 (%)            | 99.99 %                  |
| Trace Metal Analysis                    | 0-200 (ppm)              | 99.00 ppm                |
| Particle size                           | < 50 (nm)                | 44.58 nm                 |
| Appearance (S293172)                    | Off-White to Grey Powder | Off-White to Grey Powder |
| ICP: Confirms Sn Component              | Confirmed                | Confirmed                |
| X-Ray Diffraction                       | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager