



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-251258A  
Lot Number: SAMPLE  
Product Name: Titanium(IV) oxide, rutile  
CAS Number: 1317-80-2  
Molecular Formula:  $\text{TiO}_2$   
Molecular Weight: 79.87

| Test                               | Specification             | Result       |
|------------------------------------|---------------------------|--------------|
| Appearance                         | White to off-white powder | White powder |
| Identification (X-Ray Diffraction) | Consistent with structure | Complies     |
| Purity (Trace Metal Analysis)      | $\geq 99.9\%$             | Complies     |
| Particle Size                      | $\leq 5.0$ micron         | 1.0 micron   |
| Trace metal analysis               | $\leq 1000.0$ ppm         | 173.2 ppm    |
| Arsenic                            |                           | 12.3 ppm     |
| Cadmium                            |                           | 3.8 ppm      |
| Calcium                            |                           | 4.0 ppm      |
| Chromium                           |                           | 23.9 ppm     |
| Iron                               |                           | 3.2 ppm      |
| Lead                               |                           | 13.4 ppm     |
| Magnesium                          |                           | 0.7 ppm      |
| Manganese                          |                           | 0.4 ppm      |
| Palladium                          |                           | 25.8 ppm     |
| Platinum                           |                           | 18.5 ppm     |
| Potassium                          |                           | 45.5 ppm     |
| Silver                             |                           | 9.7 ppm      |
| Strontium                          |                           | 0.1 ppm      |
| Vanadium                           |                           | 6.6 ppm      |

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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|           |         |
|-----------|---------|
| Zinc      | 3.5 ppm |
| Zirconium | 2.0 ppm |

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