

Certificate of Analysis

Date of Testing: 2024-01-19 11:07:05
Date of Next Testing: 2028-01-18 11:07:05
Product Name: **Praseodymium oxide**
CAS Number: 12037-29-5
Specifications & Purity: nanopowder,50nm,99.5% metals basis
Lot #: C2016159
SKU #: **P105311**
Analysis: 315918

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Trace Rare Earth Analysis | 0-5000 (ppm) | 4120.00 ppm |
| Purity(Based On Trace Rare Earth Analysis) | 99.5-100 (%) | 99.59 % |
| Particle size | 45-55 (nm) | 50.00 nm |
| pr (Complexometric titration) | 80.7-85.7 (%) | 80.70 % |
| Appearance (P105311) | Brown to black powder | Brown to black powder |
| Form | spherical | spherical |
| ICP: Confirms Praseodymium Component | Confirmed | Confirmed |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



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