

## Certificate of Analysis

Date of Testing: 2023-01-29 17:21:32  
Date of Next Testing: 2027-01-28 17:21:32  
Product Name: **Prasedymium oxide**  
CAS Number: 12036-32-7  
Specifications & Purity: 99.9% metals basis  
Lot #: A2329020  
SKU #: **P107151**  
Analysis: **100942**

| Parameter                                  | Limit Values                                | Result                                      |
|--|---|---|
| Trace Rare Earth Analysis                  | 0-2000 (ppm)                                | 564.00 ppm                                  |
| Purity(Based On Trace Rare Earth Analysis) | 99.9-100 (%)                                | 99.94 %                                     |
| Pr(Complexometric EDTA)                    | 84.2-86.7 (%)                               | 85.21 %                                     |
| ICP: Confirms Praseodymium Component       | Confirmed                                   | Confirmed                                   |
| X-Ray Diffraction                          | Conforms to Structure                       | Conforms to Structure                       |
| Appearance (P107151)                       | Light Green to Gree powder or Sintered Lump | Light Green to Gree powder or Sintered Lump |



John Su  
QA & QC Manager