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## Product Specification

Product Name:

Gadolinium(III) iodide - anhydrous, powder, 99.99% trace metals basis

**Product Number:** 466298  
**CAS Number:** 13572-98-0  
**MDL:** MFCD00016114  
**Formula:** GdI<sub>3</sub>  
**Formula Weight:** 537.96 g/mol



| TEST  | Specification      |
|---|--------------------|
| Appearance (Color)                            | White to Off-White |
| Appearance (Form)                             | Powder             |
| Complexometric EDTA<br>% Gd                   | 28.6 - 29.8 %      |
| Titration by AgNO <sub>3</sub><br>% I         | 67.2 - 72.7 %      |
| ICP Major Analysis<br>Confirms Gd Component   | Confirmed          |
| Purity<br>99.99% Based On Rare Earth Analysis | Meets Requirements |
| Trace Rare Earth Analysis                     | ≤ 150.0 ppm        |

Specification: PRD.0.ZQ5.10000100877

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.