



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-358672  
Lot Number: SAMPLE  
Product Name: Gallium(III) sulfide  
CAS Number: 12024-22-5  
Molecular Formula:  $\text{Ga}_2\text{S}_3$   
Molecular Weight: 235.64

| Test                               | Specification                  | Result           |
|------------------------------------|--------------------------------|------------------|
| Appearance                         | White to yellow to grey powder | Off-white powder |
| Identification (X-Ray Diffraction) | Consistent with structure      | Complies         |
| Purity (Gravimetric Analysis)      | $\geq 97.5\%$                  | 99.1%            |
| Purity (Trace Metal Analysis)      | 99.99%                         | Complies         |
| Trace metal analysis               | $\leq 200.0$ ppm               | $< 200.0$ ppm    |
| Chromium                           |                                | 6.0 ppm          |
| Germanium                          |                                | 1.0 ppm          |
| Gold                               |                                | $< 0.1$ ppm      |
| Silicon                            |                                | 1.2 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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