



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-224003
Lot Number: SAMPLE
Product Name: Gadolinium(III) acetate
CAS Number: 100587-93-7
Molecular Formula: $C_6H_9GdO_6$
Molecular Weight: 334.38

Test	Specification	Result
Appearance	White powder or crystals or granules	White crystals
Identification (ICP)	Consistent with Gadolinium	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity	99.9%(Based on rare earth analysis)	Complies
Trace Rare Earth Analysis	≤ 1500.0 ppm	173.8 ppm
Arsenic		39.2 ppm
Barium		0.6 ppm
Beryllium		6.1 ppm
Bismuth		16.0 ppm
Boron		0.8 ppm
Calcium		0.8 ppm
Copper		56.0 ppm
Erbium		17.8 ppm
Europium		11.6 ppm
Gadolinium	32.0 - 45.8 %(Complexometric EDTA)	38.4 %
Holmium		33.7 ppm
iron		2.2 ppm
Iridium		35.9 ppm
Manganese		2.5 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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Neodymium	54.8 ppm
Palladium	17.5 ppm
Potassium	143.0 ppm
Sodium	29.4 ppm
Terbium	52.8 ppm
Tin	63.2 ppm
Titanium	0.6 ppm
Tungsten	5.6 ppm
Vanadium	2.1 ppm
Yttrium	3.1 ppm
Zirconium	14.5 ppm

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