



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-250039
Lot Number: SAMPLE
Product Name: Gadolinium(III) chloride
CAS Number: 19423-81-5
Molecular Formula: GdCl_3
Molecular Weight: 263.61

Test	Specification	Result
Appearance	White to off-white powder or crystalline powder	White crystals
Identification (ICP)		Complies
Purity	$\geq 99.9\%$ (Based on trace metals analysis of rare earth metals)	Complies
Trace Rare Earth Analysis	≤ 200.0 ppm	95.8 ppm
Barium		0.3 ppm
Boron		1.8 ppm
Complexometric EDTA	41.0 - 44.0%	42.6%
Copper		39.2 ppm
Dysprosium		2.7 ppm
Erbium		12.7 ppm
Europium		12.2 ppm
Holmium		18.3 ppm
Manganese		3.0 ppm
Neodymium		23.0 ppm
Praseodymium		2.1 ppm
Scandium		5.4 ppm
Sodium		5.0 ppm
Terbium		8.8 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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Tin	66.0 ppm
Titanium	2.2 ppm
Thulium	1.8 ppm
Yttrium	8.8 ppm

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