



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-257594
Lot Number: SAMPLE
Product Name: Holmium(III) chloride
CAS Number: 10138-62-2
Molecular Formula: HoCl_3
Molecular Weight: 271.29

Test	Specification	Result
Appearance	Pink powder	Faint pink powder
Identification (ICP)	Confirms Holmium Component	Complies
Purity (Rare Earth Analysis)	99.9%	Complies
Trace Rare Earth Analysis	≤ 1500.0 ppm	103.7 ppm
Aluminum		0.5 ppm
Arsenic		0.1ppm
Barium		0.3 ppm
Boron		0.6 ppm
Calcium		5.2 ppm
Cerium		0.6 ppm
Chromium		1.0 ppm
Dysprosium		13.0 ppm
Erbium		29.4 ppm
Europium		2.5 ppm
Gadolinium		25.6 ppm
Holmium	59.9 - 61.7% (Titration with EDTA, Complexometric EDTA)	61.0%
Iron		3.0 ppm
Lanthanum		0.1 ppm
Lead		0.2 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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Lutetium	2.3 ppm
Magnesium	0.8 ppm
Manganese	0.7 ppm
Nickel	0.7 ppm
Samarium	7.4 ppm
Sodium	10.0 ppm
Strontium	0.2 ppm
Terbium	1.5 ppm
Thulium	11.4 ppm
Tungsten	12.4 ppm
Vanadium	0.4 ppm
Ytterbium	5.2 ppm
Yttrium	4.7 ppm

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