



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-228819
Lot Number: SAMPLE
Product Name: Neodymium(III) chloride hexahydrate
CAS Number: 13477-89-9
Molecular Formula: $\text{NdCl}_3 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 358.69

Test	Specification	Result
Appearance	Purple crystals, crystalline powder or chunks	Purple crystals
Identification (ICP)	Confirms neodymium component	Complies
Purity	99.9% (Based on Rare Earth Analysis)	Complies
Trace Rare Earth Analysis	≤ 2000.0 ppm	83.9 ppm
Aluminum		14.7 ppm
Barium		0.5 ppm
Cerium		24.2 ppm
Magnesium		2.6 ppm
Neodymium	39.2 - 41.2% (Complexometric EDTA)	39.4%
Praseodymium		59.7 ppm
Silver		6.6 ppm
Sodium		12.7 ppm
Strontium		1.4 ppm
Tin		199.0 ppm
Vanadium		0.8 ppm
Zinc		5.8 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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