



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-253314
Lot Number: SAMPLE
Product Name: Praseodymium(III) nitrate hexahydrate
CAS Number: 15878-77-0
Molecular Formula: $\text{PrN}_3\text{O}_9 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 435.01

Test	Specification	Result
Appearance	Green crystals	Light green crystals
Purity	99.9% based on rare earth analysis	Complies
Trace metal analysis	≤ 2000.0 ppm	210.5 ppm
Calcium		3.6 ppm
Chromium		6.0 ppm
Copper		3.7 ppm
Dysprosium		1.0 ppm
Europium		24.1 ppm
Iron		5.3 ppm
Lanthanum		20.3 ppm
Lead		17.1 ppm
Lithium		1.2 ppm
Lutetium		4.8 ppm
Neodymium		148.5 ppm
Potassium		262.0 ppm
Potassium (ICP)		Complies
Praseodymium	31.9 - 32.9% (Complexometric EDTA)	32.1%
Samarium		5.4 ppm
Terbium		6.2 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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Tin	24.8 ppm
Titanium	1.6 ppm
Ytterbium	0.2 ppm
Zinc	12.8 ppm

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