



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-228991  
Lot Number: SAMPLE  
Product Name: Praseodymium(III) chloride hydrate  
CAS Number: 19423-77-9  
Molecular Formula:  $\text{PrCl}_3$   
Molecular Weight: 247.27

Test	Specification	Result
Appearance	Light green powder or crystal or chunks	Light green crystals with chunks
Identification (ICP)	Consistent with Pr component	Complies
Purity (Rare Earth Analysis)	99.9%	Complies
Trace Rare Earth Analysis	$\leq 1500.0$ ppm	155.4 ppm
Aluminum		1.0 ppm
Antimony		4.7 ppm
Barium		0.8 ppm
Beryllium		1.2 ppm
Gadolinium		0.5 ppm
Lanthanum		0.6 ppm
Lutetium		1.4 ppm
Magnesium		1.5 ppm
Manganese		0.1 ppm
Neodymium		137.9 ppm
Palladium		1.4 ppm
Praseodymium	$\leq 55.0\%$ (Complexometric EDTA)	37.1%
Samarium		5.5 ppm
Silver		1.7 ppm
Titanium		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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Ytterbium	3.3 ppm
Yttrium	6.2 ppm

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