



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-251441A  
Lot Number: SAMPLE  
Product Name: Yttrium(III) nitrate hexahydrate  
CAS Number: 13494-98-9  
Molecular Formula:  $\text{Y}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$   
Molecular Weight: 383.01

Test	Result
Appearance	Crystalline
Purity (Elemental Analysis)	99.9% (REO)
Aluminum	< 1 ppm (ICP)
Bismuth	< 2 ppm (ICP)
Calcium (ICP)	10 ppm
Cerium	< 10 ppm (ICP)
Chromium	1 ppm (ICP)
Copper	1 ppm (ICP)
Dysprosium	< 50 ppm (ICP)
Erbium	< 50 ppm (ICP)
Europium	< 50 ppm (ICP)
Gadolinium	< 50 ppm (ICP)
Holmium	< 50 ppm (ICP)
Iron (ICP)	4 ppm
Lanthanum	< 10 ppm (ICP)
Lead (ICP)	< 5 ppm
Lutetium	< 50 ppm (ICP)
Magnesium	< 1 ppm (ICP)
Manganese	< 1 ppm (ICP)

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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Neodymium	< 10 ppm (ICP)
Nickel	< 1 ppm (ICP)
Potassium (ICP)	2 ppm
Praseodymium	< 10 ppm (ICP)
Samarium	< 50 ppm (ICP)
Scandium	< 1 ppm (ICP)
Silicon	14 ppm (ICP)
Sodium (ICP)	10 ppm
Terbium	< 50 ppm (ICP)
Titanium	< 1 ppm (ICP)
Thorium	< 1 ppm (ICP)
Thulium	< 50 ppm (ICP)
Uranium	< 1 ppm (ICP)
Vanadium	< 1 ppm (ICP)
Ytterbium	< 50 ppm (ICP)
Ytterbium (III) oxide	29.6%
Zinc	< 1 ppm (ICP)

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