



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-228103  
Lot Number: SAMPLE  
Product Name: Europium(II) iodide  
CAS Number: 22015-35-6  
Molecular Formula:  $\text{EuI}_2$   
Molecular Weight: 405.77

Test	Specification	Result
Appearance (Color)	Yellow to orange or green	Light brown
Appearance (Form)	Powder, crystals and/or chunks	Powder
Identification (ICP)	Confirms Eu Component	Complies
Purity	99.9% (Based On Rare Earth Analysis)	Complies
Trace Rare Earth Analysis	$\leq 2000.0$ ppm	$< 2000.0$ ppm
Aluminum		9.9 ppm
Arsenic		5.3 ppm
Barium		2.5 ppm
Beryllium		0.2 ppm
Bismuth		0.2 ppm
Cadmium		0.2 ppm
Calcium		$< 15.0$ ppm
Cerium		0.3 ppm
Chromium		0.9 ppm
Cobalt		0.3 ppm
Dysprosium		0.1 ppm
Erbium		0.2 ppm
Europium	36.9 - 38.0 % (by Complexometric EDTA)	37.3%
Gadolinium		0.3 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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)

Hafnium	0.4 ppm
Holmium	0.1 ppm
Indium	1.2 ppm
Iron	0.1 ppm
Lanthanum	2.6 ppm
Lithium	18.1 ppm
Lutetium	0.1 ppm
Magnesium	23.4 ppm
Manganese	31.2 ppm
Neodymium	0.1 ppm
Nickel	0.2 ppm
Potassium	0.9 ppm
Praseodymium	0.2 ppm
Rhenium	0.1 ppm
Rubidium	0.2 ppm
Samarium	2.5 ppm
Selenium	1.1 ppm
Sodium	7.6 ppm
Tantalum	1.1 ppm
Terbium	0.2 ppm
tin	0.2 ppm
Thallium	1.2 ppm
Thorium	0.1 ppm
Tungsten	223.4 ppm
Vanadium	0.3 ppm
Ytterbium	< 18.7 ppm
Yttrium	0.4 ppm

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