



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-224381
Lot Number: SAMPLE
Product Name: Yttrium(III) acetylacetonate
CAS Number: 207801-29-4
Molecular Formula: $C_{15}H_{21}O_6Y$
Molecular Weight: 386.23

Test	Specification	Result
Appearance (Color)	White to yellow	White
Appearance (Form)	Powder or crystals	Powder
Identification (ICP)		Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity	99.95% Based On Rare Earth Analysis	Complies
Purity (Titration, Complexometric)	22.2 - 23.8% (EDTA, dried basis)	23.4%
Trace Rare Earth Analysis	≤ 600.0 ppm	27.6 ppm
Aluminum		9.1 ppm
Barium		0.1 ppm
Boron		0.4 ppm
Calcium		8.8 ppm
Cerium		24.0 ppm
Holmium		1.5 ppm
Lanthanum		1.2 ppm
Magnesium		1.3 ppm
Manganese		1.2 ppm
Potassium		3.4 ppm
Sodium		1.5 ppm
Terbium		0.9 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

Water Content (KF)

≥ 2.2%

8.1%

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