



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-239277
Lot Number: SAMPLE
Product Name: Barium sulfate
CAS Number: 7727-43-7
Molecular Formula: BaSO_4
Molecular Weight: 233.39

Test	Specification	Result
Appearance	White powder	Complies
Identification (ICP)	Consistent with Ba and S components	Complies
Purity (Trace Metal Analysis)	99.998%	Complies
Trace metal analysis	≤ 30.0 ppm	28.1 ppm
Loss on Ignition	$\leq 1.00\%$	0.16%
Aluminum		0.8 ppm
Antimony		< 1.0 ppm
Arsenic		< 0.5 ppm
Beryllium		< 0.1 ppm
Bismuth		< 0.1 ppm
Boron		< 0.1 ppm
Cadmium		< 0.5 ppm
Calcium		0.5 ppm
Chromium		1.5 ppm
Cobalt		< 0.1 ppm
Copper		0.1 ppm
Iron		3.5 ppm
Lead		< 0.1 ppm
Lithium		< 0.1 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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Magnesium	0.0 ppm
Manganese	0.3 ppm
Molybdenum	< 0.1 ppm
Nickel	0.5 ppm
Potassium	1.0 ppm
Silver	< 1.0 ppm
Sodium	1.8 ppm
Strontium	10.0 ppm
Tin	1.8 ppm
Titanium	< 0.5 ppm
Tungsten	< 1.0 ppm
Vanadium	< 0.1 ppm
Zinc	< 1.0 ppm
Zirconium	0.0 ppm

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