



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-227409
Lot Number: SAMPLE
Product Name: Bismuth lead strontium calcium copper oxide
CAS Number: 116739-98-1
Molecular Formula: $\text{Bi}_{1.6}\text{Pb}_{0.4}\text{Sr}_{1.6}\text{Ca}_{2.0}\text{Cu}_{2.8}\text{O}_{9.2}+x$
Molecular Weight:

Test	Specification	Result
Appearance	Black powder	Complies
Identification (X-Ray Diffraction)	Consistent with standard pattern	Complies
Particle Size		Average particle size: 3 microns
Aluminum		270 ppm (Trace Analysis, ICP)
Barium		330 ppm (Trace Analysis, ICP)
Bismuth	~33% (ICP)	33%
Calcium	~9% (ICP)	9%
Chromium		5 ppm (Trace Analysis, ICP)
Copper	~20% (ICP)	20%
Gallium		160 ppm (Trace Analysis, ICP)
Indium		25 ppm (Trace Analysis, ICP)
Iron		30 ppm (Trace Analysis, ICP)
Lead	~8% (ICP)	9%
Magnesium		30 ppm (Trace Analysis, ICP)
Manganese		2 ppm (Trace Analysis, ICP)
Silicon		20 ppm (Trace Analysis, ICP)
Silver		55 ppm (Trace Analysis, ICP)
Sodium		220 ppm (Trace Analysis, ICP)
Strontium	~14% (ICP)	14%

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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