



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-227558
Lot Number: SAMPLE
Product Name: Cadmium acetylacetonate
CAS Number: 14689-45-3
Molecular Formula: $C_{10}H_{14}CdO_4$
Molecular Weight: 310.63

Test	Specification	Result
Appearance	White to light yellow and faint beige to light beige powder	Faint yellow powder
Identification (ICP)	Consistent with cadmium component	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Trace Metal Analysis)	$\geq 99.9\%$	Complies
Trace metal analysis	≤ 1000.0 ppm	48.7 ppm
Barium		< 0.1 ppm
Cadmium	34.9 - 37.5% (Complexometric EDTA)	36.9%
Calcium		44.0 ppm
Iron		2.9 ppm
Magnesium		0.6 ppm
Silver		0.5 ppm
Strontium		< 0.1 ppm
Zinc		0.7 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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