



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-200509
Lot Number: SAMPLE
Product Name: Curcumin
CAS Number: 458-37-7
Molecular Formula: $C_{21}H_{20}O_6$
Molecular Weight: 368.38
Native Source: *Turmeric rhizome*

Test	Result
Appearance	Orange-yellow powder
Identification	Consistent with structure and standard
Purity (HPLC)	95.44% (Dried basis)
Residue on Ignition	0.19%
Solubility	Clear to hazy yellow to orange solution (10 mg/mL in Ethanol)
Visual Transition Range	pH 7.4 (Yellow) - pH 8.6 (Red); pH 10.2 (Red) - pH 11.8 (Orange)
Loss on Drying	0.15% at 105 °C
Arsenic	< 0.1 ppm
Cadmium	< 0.1 ppm
Lead	< 0.50 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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