CERTIFICATE OF ANALYSIS

Product	Curcumin
Grade	High Purity
Product Code	CB0346
Formula	$C_{21}H_{20}O_6$
MW	368.39
CAS#	458-37-7
Lot No	

Test Items	Specifications	Results
Appearance	Yellow to orange powder	
Identification	Conforms to structure & standard	
Loss on drying @105 °C	≤5.0%	
Assay (on dried basis)	≥95%	
Residue on Ignition	≤2.0%	
Lead (Pd)	≤5.0ppm	
Mercury (Hg)	≤0.1ppm	
Arsenic (As)	≤2.0ppm	
Cadmium	≤1.0ppm	
Solubility (10 mg/ml in ethanol)	Clear to hazy yellow to orange solution	
Visual Transition Interval	From pH 7.4 (yellow) to pH 8.6 (red) From pH 10.2 (red) to pH 11.8 (orange)	

Storage: -15 ~ -20°C