



INDOFINE Chemical Company, Inc.

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CERTIFICATE OF ANALYSIS

Catalog Number: C-004 Botanical Source: Curcuma longa L.
Product Name: **CURCUMIN, natural** Molecular Formula: C₂₁H₂₀O₆
CAS Number: [458-37-7] Molecular Weight: 368.39
Lot No.: 1409501

ANALYSIS ITEM	SPECIFICATION	RESULT	METHOD
Appearance	Yellow or orange fine powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Loss on Drying	≤2.0%	1.51%	105°C/3hrs
Residue on Ignition	≤1.0%	Complies	750°C/5hrs
Heavy Metals	<20ppm	Complies	CP2010
Pb	<5ppm	0.048ppm	AAS
As	<3ppm	0.19ppm	AAS
Hg	<0.5ppm	0.31ppm	AAS
Cd	<0.5ppm	0.027ppm	AAS
Solvent Residues			
Ethanol	≤5000ppm	Complies	GC
Methanol	≤50ppm	Complies	GC
Acetone	≤50ppm	Complies	GC
Total Plate Count	<1000cfu/g	20cfu/g	CP2010
Yeast & Mold	<100cfu/g	45cfu/g	CP2010
E.Coli	Negative	Complies	CP2010
Salmonella	Negative	Complies	CP2010
Assay			
Curcuminoids	≥95.0%	99.76%	HPLC
Curcumin	≥65.0%	71.38%	HPLC
Demethoxycurcumin	/	15.68%	HPLC
Bisdemethoxycurcumin	/	12.70%	HPLC

Storage **Store in cool & dry place, Keep away from strong light and heat.**