

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	33345
Lot Number	002923-180830
Product	Curcumin, \geq 95% (Curcuminoid content), \geq 70% (Curcumin), 16%-20% (E,E)-1,7-bis(4-Hydroxy-3-methoxyphenyl)-1,6-heptadiene-3,5-dione
CAS Number	458-37-7
Molecular Formula	C ₂₁ H ₂₀ O ₆
Molecular Weight	368.38

Appearance	Fine yellow-orange powder
Solubility	Slightly soluble in alcohol, Soluble in acetone & glacial acetic acid
Odor	Characteristic
Melting Point	175 °C
Bulk density	40 - 55 g/100 ml
Density	0.4
Heavy Metals	< 10 ppm
Cation	Arsenic (As) : < 1 ppm Lead (Pb) : < 1 ppm Cadmium (Cd) : < 1 ppm Mercury (Hg) : < 0.5 ppm
Yeast and Mold	< 100 cfu/g
Loss on Drying	0.51% (105 °C, 2h)
Residual Solvents	Ethanol : 320 ppm Ethyl Acetate : 2810 ppm
E. Coli, Salmonella, S.Aureus	Not detected
Microbial Count	< 1000 cfu/g (TPC)
Particle Size	95% thr' 80 mesh
Ash	0.35% (525 °C, 3h)

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Catalog Number: 33345

Lot Number: 002923-180830

Purity by HPLC 95.17% (Total Curcuminoid content)
75.86% (Curcumin)
16.70% (Methoxycurcumin)
2.49% (Bismethoxycurcumin)

Grade USP

Storage Store at RT

Additional Information Taste : Characteristic
666 : < 0.1 ppm
DDT : < 0.5 ppm
Acephate : < 0.2 ppm
Methamidophos : < 0.2 ppm
Parathion-ethyl : < 0.2 ppm
PCNB : < 0.1 ppm
Aflatoxins : Absent
Excipients: None

Remarks See material safety data sheet for additional information
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager