

CERTIFICATE OF ANALYSIS

Product name:	Water Soluble Curcumin 10%	Plant Source	Carcuma longa
Used part:	Root	Manu. Date:	March,20,2019
Batch Number:	U-F-SRJHS190320	Expiration Date:	March,19,2021
Batch Size	500KG	Report Date	March,25,2019

Item	Specification	Results	Methods
Assay : Curcumin	≥10%	10.25%	HPLC
Appearance & Color	Yellow or orange powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Solubility	Soluble in water	Conforms	USP
Bulk Density	0.4-0.6g/ml	0.50g/ml	USP
Mesh Size	80	100%	USP
Loss on Drying	≤2.0%	1.32%	USP((105 °C, 2 h))
Ash Content	≤1.0%	0.67%	USP
Solvent Residue	Negative	Conforms	GC/USP
Heavy Metals			
Total Heavy Metals	≤10ppm	3ppm	AAS/ICP-MS
Arsenic (As)	≤1.0ppm	0.16ppm	AAS/ICP-MS
Lead (Pb)	≤1.5ppm	0.72ppm	AAS/ICP-MS
Cadmium	<1mg/kg	Not Detected	AAS/ICP-MS
Mercury	≤0.3ppm	Not Detected	AAS/ICP-MS
Microbiology			
Total Plate Count	≤1000cfu/g	<100	USP
Total Yeast & Mold	≤25cfu/g	<10	USP
E. Coli	≤40MPN/100g	Not Detected	USP
Salmonella	Negative in 25g	Not Detected	USP
Staphylococcus	Negative in 10g	Not Detected	USP

Conclusion	Conform with specification
Storage	Store in cool & dry place,Keep away from strong light and heat
Shelf life	2 years when properly stored

QC : ZHAO TING

QA :HOU XUEHUI

