



CERTIFICATE OF ANALYSIS

Product name:	Tetrahydrocurcumins	Plant Source	Carcuma longa
Used part:	Rhizome	Manu. Date:	JAN.30,2019
Batch Number:	UN-F-SQJHS190130	Expiration Date:	JAN.29,2021
Batch Size	500KG	Report Date	JAN.30,2019

Item	Specification	Results	Methods
Assay :Tetrahydrocurcumins	≥98%	98.23%	HPLC/QB
Appearance & Color	Off white or slight yellow powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Solubility	Soluble in organic solvents such as methanol, ethanol, DMSO.	Conforms	QB
Melting point	91~97℃	Conforms	QB
Mesh Size	80 mesh	100%	QB
Loss on Drying	≤1.0%	0.85%	QB((105 °C, 2 h))
Ash Content	≤1.0%	0.57%	QB
Solvent Residue	Negative	Conforms	GC/QB
Heavy Metals			
Total Heavy Metals	≤10ppm	4ppm	AAS/ICP-MS
Arsenic (As)	≤1.0ppm	0.23ppm	AAS/ICP-MS
Lead (Pb)	≤1.5ppm	0.9ppm	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	QB
Total Yeast & Mold	≤25cfu/g	<10	QB
E. Coli	≤40MPN/100g	Not Detected	QB
Salmonella	Negative in 25g	Not Detected	QB
Staphylococcus	Negative in 10g	Not Detected	QB

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

