

CERTIFICATE OF ANALYSIS

Product Name: Curcumin		Country Of Origin: China	
Botanical Name: Curcuma longa L.		Part Used: Root	
Batch Number: SRJHS20041101F		Date of Manufacture: Apr.11.2020	
Quantity: 100.00kg		Date of Analysis: Apr.11.2020	
Extraction solvent: Ethanol			
Testing Item	Specification	Test Result	Test Method
Physicals & Chemicals			
Appearance	Yellow Orange Powder	Complies	Organoleptic
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Scientific Method
Moisture	≤5.0%	0.27%	GB5009.3-2016
Ash	≤5.0%	0.09%	GB5009.4-2016
Curcuminoids	≥95%	96.73%	HPLC(On anhydrous basis)
Curcumin	70%-80%	72.49%	HPLC
Demethoxycurcumin	15%-25%	17.74%	HPLC
Bisdemethoxycurcumin	2.5%-6.5%	6.50%	HPLC
Particle Size	100% Through 80 Mesh	Complies	Screen
Residual Solvent	Meet Eur.Ph.6.0 <5.4>	Complies	Eur.Ph 6.0<2.4.24>
Heavy Metals			
Arsenic	≤2.0mg/kg	Not Detected (<0.04mg/kg)	GB5009.11-2014(AFS)
Lead	≤2.0mg/kg	0.087mg/kg	GB5009.12-2017(AAS)
Cadmium	≤1.0mg/kg	Not Detected (<0.003mg/kg)	GB5009.15-2014(AAS)
Mercury	≤0.1mg/kg	Not Detected (<0.007mg/kg)	GB5009.17-2014(AFS)
Microbiological			
Aerobic Plate Count	<1000cfu/g	<10cfu/g	ISO 4833-1-2013
Moulds and Yeasts	<100cfu/g	Moulds<10cfu/g	GB4789.15-2016
		Yeasts<10cfu/g	
Coliforms	<10cfu/g	<10cfu/g	GB4789.3-2016
E.coli	<10cfu/g	<10cfu/g	ISO 16649-2-2001
Salmonella	Not Detected/25g	Not Detected/25g	GB4789.4-2016
Staphylococcus aureus	Not Detected/25g	Not Detected/25g	GB4789.10-2016
Aflatoxins	≤2µg/kg	Negative	HPLC
Conclusion	Complies with Specification.		Shelf life 2years when properly stored.
Storage	In cool & dry place. Keep away from strong light and heat.		
Package	25kg/drum.		