



KS

Nutripharma

陕西康盛生物技术有限公司

SHAANXI KINGSCI BIOTECHNOLOGY CO., LTD.

Add: Rm 801-802 Fuedun International Fortune Center, Wenjing Rd, Xi'an 710018 China

Tel: 029-86181961

Fax: 029-86181551

www.kingsci.com

Certificate of Analysis

Product Name	Turmeric Extract		
Batch No.	KS-T20210407	Specification	Curcumin 95% HPLC
Manufacture Date	Apr.07,2021	Analysis Date	Apr.08,2021
Quantity	500KGs	Expiry Date	Apr.06,2023
ITEMS	METHODS	SPECIFICATIONS	RESULTS
Appearance	Visual	Yellow or orange fine powder	Complies
Odor	Organoleptic	Characteristic	Complies
Taste	Organoleptic	Characteristic	Complies
Particle Size	USP36	NLT 95% through 80 mesh	Complies
Method	HPLC		
IR Spectrum	Sample is concordant with standard.		
Solubility	Soluble in ethanol acetone and glacial acetic acid.		
Assay	HPLC	Curcumin I	72.3%
	HPLC	Curcumin II	18.2%
	HPLC	Curcumin III	4.5%
	HPLC	Curcuminoids $\geq 95.00\%$	95.0%
Loss on drying	USP36	$\leq 2.0\%$	0.84%
Total Solvent Residues		$\leq 5000\text{ppm}$	$< 2000\text{ppm}$
The total ash	USP36	$\leq 1.0\text{ppm}$	0.76%
Tap density g/ml	USP36	0.5-0.9 g/ml	0.56g/ml
Bulk Density g/ml	USP36	0.3-0.5 g/ml	0.38 g/ml
Heavy Metals	USP36	$\leq 10\text{ppm}$	$< 10\text{ ppm}$
As	AAS	$\leq 3\text{ppm}$	0.20 ppm
Pb	AAS	$\leq 2\text{ppm}$	0.17ppm
Cd	AAS	$\leq 1\text{ppm}$	0.16ppm
Hg	AAS	$\leq 0.5\text{ppm}$	0.10ppm

**KS****Nutripharma****陕西康盛生物技术有限公司****SHAANXI KINGSCI BIOTECHNOLOGY CO., LTD.**

Add: Rm 801-802 Fuedun International Fortune Center, Wenjing Rd, Xi'an 710018 China

Tel: 029-86181961

Fax: 029-86181551

www.kingsci.com

Microbiological control			
Total plate count	AOAC	$\leq 1000\text{cfu/g}$	$< 10\text{cfu/g}$
Yeast & mold	AOAC	$\leq 100\text{cfu/g}$	$< 10\text{cfu/g}$
Escherichia coli	AOAC	$\leq 30\text{ MPN/100g}$	$< 3\text{ MPN/100g}$
Staphylococcus	AOAC	None	Not Detected
Storage	Store in cool & dry place, keep away from strong light and heat		
Shelf life	24 months when properly stored		
Remark	NON-Irradiated.		
QC	Qu Jiaojiao	QA	Li Yaqiang