

## Certificate of Analysis

Product	Curcumin95%	Mfg Date	2025-04-12
Batch No.	NT250412	Test Date	2025-04-13
2025-04-13	Sampling: 50g	Shelf life:	2028-04-11
Description	Specification	Test Result	Method
Appearance	Yellow-Orange	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
Particle Size 60	NLT 95% through 80 mesh	Complies	CP2015
Chemical Test			
Method	HPLC		
IR Spectrum	Sample is concordant with standard		
Solubility	Soluble in ethanol acetone and glacial, acetic acid	Complies	CP2020
Assay	Curcuminoids $\geq$ 95.0%	95.20%	HPLC
Loss on Drying	$\leq$ 2.0%	0.28%	GB/T5009.3-2016
The total ash	$\leq$ 1.0%	0.34%	GB/T5009.4-2016/5.3.3
Solvent residue	$\leq$ 5000ppm	3000ppm	CP2020
Tap Density g/ml	0.5-0.9 g/ml	0.54g/ml	GB/T21354-2008
Bulk Density g/ml	0.3-0.5 g/ml	0.34g/ml	GB/20316.2-2006
Heavy Metals	$\leq$ 10ppm	< 10ppm	GB/T5009.74-2003
As	$\leq$ 3ppm	0.36ppm	GB/T5009.11-2014
Pb	$\leq$ 2ppm	0.41ppm	GB/T5009.12-2017
Cd	$\leq$ 1ppm	0.09ppm	GB/T5009.15-2003
Hg	$\leq$ 0.5ppm	0.07ppm	GB/T5009.17-2003
TPC	< 1000 cfu/g	102 cfu/g	GB4789.2-2016
Yeast&Mold	< 100 cfu/g	22cfu/g	GB4789.15-2016
E.Coli	$\leq$ 30 MPN/100g	<3 MPN/100g	GB4789.3-2016
Staphylococcus aureus	None	Not Detected	GB4789.10-2016
Salmonella	None	Not Detected	GB4789.4-2016
Packing	20kg/Drum	Shelf Life	3 Years
Storage	Keep in cool, dry place, avoid direct sunlight		
Remark	NON-Irradiated		



QA: Peng Peng

QC: Guo Shan