

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Curcuminoids	<b>Batch Number:</b>	YT20240119
<b>Botanical Source:</b>	Curcuma longa L.	<b>Manufacture Date:</b>	Jan.19,2024
<b>Plant part used:</b>	Root	<b>Analysis Date:</b>	Jan.19,2024
<b>Quantity:</b>	850kgs	<b>Expire Date:</b>	Jan.18,2026

ITEM	STANDARD	TEST RESULT
Curcuminoids(by HPLC)	≥95.0%	95.1%
<b>Physical &amp; Chemical</b>		
Appearance	Yellow-Orange Powder	Complies
IR Spectrum	Sample is concordant with standard	Complies
Solubility	Soluble in ethanol acetone and acetic acid	Complies
Odor & Taste	Characteristic	Characteristic
Particle Size	95% through 80mesh	Complies
Extraction Solvent	Ethanol & Water	Complies
Loss on Drying	≤2.0%	0.49%
Ash	≤1.0%	0.21%
Tap Density	0.5-0.9 g/ml	0.53 g/ml
Bulk Density	0.3-0.5 g/ml	0.34 g/ml
Solvents Residue	≤5000ppm	3600ppm
Pesticide Residue	Negative	Complies
<b>Heavy Metal</b>		
Total Heavy Metals	≤10ppm	Complies
As	≤3.0ppm	0.34ppm
Pb	≤2.0ppm	0.31ppm
Cd	≤1.0ppm	0.09ppm
Hg	≤0.5ppm	0.07ppm
<b>Microbiological Test</b>		
Total Plate Count	≤1,000cfu/g	<140cfu/g
Mold and Yeast	≤100cfu/g	<20cfu/g
E.Coli	Negative	Negative
Salmonella	Negative	Negative
<b>Conclusion</b>	Conform with CP2020,Non-irradiation,Non-GMO,Allergen Free, RSE/TSE Free	
<b>Storage</b>	Store in cool and dry places. Keep away from strong light and humidity.	
<b>Packing</b>	By 25kgs/Drum, inner by double plastic bag	
<b>Shelf Life</b>	24 months under the above condition,and in it's original package	

Quality Assurance Officer: Weiqiang Hu

Corrector: Kangyu Zou

