CERTIFICATE OF ANALYSIS

Product name:	**Curcuminoids**		
Plant Latin name:	*Curcuma longa L.*	Ref standard:	CP 2020
Used part:	Rhizome	Sepc.:	95%
Batch Number:	20220303	Manuf. Date:	Mar. 03, 2022
Batch Size :	1000kg	Expiry Date:	Mar. 02, 2024
Storage Condition:	Keep in cool,dry place,avoid direct sunlight.		

ITEM	METHOD	SPECIFICATION	RESULT
Appearance	Organoleptic	Yellow-orange Fine Powder	Conforms
Odor	Organoleptic	Characteristic	Conforms
Taste	Organoleptic	Characteristic	Conforms
Physical & Chemistry Characteristics			
Particle Size	CP2020	95.0%through 80 mesh	Conforms
Loss on Drying	GB5009.3	≤2.0%	0.43%
Ash	GB5009.4	≤1.0%	0.31%
Solvent Residue	CP2020	≤5000ppm	3700ppm
Tap Density	GB/T21354	0.5-0.9g/ml	0.52g/ml
Bulk Density	GB/T20316.2	0.3-0.5g/ml	0.32g/ml
Solubility	CP2020	Soluble in ethanol acetone and glacial acetic acid	Conforms
Heavy metals			
Lead(Pb)	GB5009.12	≤2.0ppm	Conforms
Arsenic(As)	GB5009.11	≤3.0ppm	Conforms
Mercury(Hg)	GB5009.17	≤0.5ppm	Conforms
Cadmium(Cd)	GB5009.15	≤1.0ppm	Conforms
Microbiological Tests			
Total plate Count	GB4789.2	≤1000cfu/g	Conforms
Yeast & Mold	GB4789.15	≤100cfu/g	Conforms
E.Coli.	GB4789.3	Negative	Negative
Salmonella	GB4789.4	Negative	Negative
Staphylococcus	GB4789.10	Negative	Negative
Assay			
Curcumin I	HPLC	/	70.38%
Curcumin II	HPLC	/	19.8%
Curcumin III	HPLC	/	4.98%
Curcuminoids	HPLC	≥95.0%	95.14%
Conclusion:	Conform to the CP2020 Standard.		

Tested by: Tiantian Wang

Approved by: Yulian Liu

Xi'an Natural Field Bio-technique Company Limited Inspection

地址：西安市高新区科技三路 57 号融城云谷 B 座 5 层
Add:5th Floor, Building B, No.57,Keji 3rd Road,High-Tech Zone, Xi'an,710075,China
Tel: (86)29-87973630 Mail: sales@natural-field.comwww.natural-field.com