

CERTIFICATE OF ANALYSIS

Product and Batch Information			
Product Name:	Turmeric Extract	Country of Origin:	P. R.China
Botanic Name:	<i>curcuma longa</i>	Batch No.:	GS200222
Plant Part:	rhizome	Manufacture Date:	2020-FEB-22
Ananalysis:	181kgs	Analysis Date:	2020-FEB-22
Grade:	Food Grade	Type of extraction:	Ethanol
Analysis Item	Specification	Result	Test Method
Active Ingredieints			
Curcuminoids	NLT 95%	96.89%	UV
Extract Ratio	50:1	50:1	
Physical Control			
Identification	Positive	Complies	TLC
Appearance	Yellow orange fine powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
Sieve Analysis	100% pass 80 mesh	Complies	80 Mesh Screen
Melting Point	172 and 178	Complies	
Moisture	5% Max	0.80%	5g/105°C/5hrs
Ash	5% Max	0.30%	2g/525°C/5hrs
Chemical Control			
Solvents Resides	0.01% Max	Complies	Gas Chromatography
Arsenic (As)	NMT 2ppm	Complies	Atomic Absorption
Cadmium(Cd)	NMT1ppm	Complies	Atomic Absorption
Lead (Pb)	NMT 3ppm	Complies	Atomic Absorption
Mercury (Hg)	NMT 0.1ppm	Complies	Atomic Absorption
Heavy Metals	10ppm Max	Complies	Atomic Absorption
Pesticides Residues	NMT 1ppm	Complies	Gas Chromatography
BAP	10ppb Max	Complies	
PAHS	50ppb Max	Complies	
Non-Irradiated			
Microbiological Control			
Total Plate Count	1000cfu/g Max	Complies	AOAC
Salmonella	Negative	Complies	AOAC
Yeast & Mold	100cfu/g Max	Complies	AOAC
E.Coli	Negative	Negative	AOAC
Packing and Storage			
Packing	Packing in paper-drums and two plastic-bags inside.		
Storage	Store in a well-closed container away from moisture.		
Shelf Life	2 years if sealed and store away from direct sun light.		
Expiration Date	2022-FEB-21		
Analyst:	QC manager:	QA manager:	



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CERTIFICATE OF ANALYSIS

Product and Batch Information			
Product Name:	Turmeric Extract	Country of Origin:	P. R.China
Botanic Name:	<i>curcuma longa</i>	Batch No.:	GS201103
Plant Part:	rhizome	Manufacture Date:	2020-NOV-03
Analysis:	55kgs	Analysis Date:	2020-NOV-03
Grade:	Food Grade	Type of extraction:	Ethanol
Analysis Item	Specification	Result	Test Method
Active Ingredieints			
Curcuminoids	NLT 95%	96.55%	UV
Extract Ratio	50:1	50:1	
Physical Control			
Identification	Positive	Complies	TLC
Appearance	Yellow orange fine powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
Sieve Analysis	100% pass 80 mesh	Complies	80 Mesh Screen
Melting Point	172°C and 178°C	Complies	
Moisture	5% Max	1.50%	5g/105°C/5hrs
Ash	5% Max	0.12%	2g/525°C/5hrs
Chemical Control			
Solvents Resides	0.01% Max	Complies	Gas Chromatography
Arsenic (As)	NMT 2ppm	Complies	Atomic Absorption
Cadmium(Cd)	NMT 1ppm	Complies	Atomic Absorption
Lead (Pb)	NMT 3ppm	Complies	Atomic Absorption
Mercury (Hg)	NMT 0.1ppm	Complies	Atomic Absorption
Heavy Metals	10ppm Max	Complies	Atomic Absorption
Pesticides Residues	NMT 1ppm	Complies	Gas Chromatography
BAP	10ppb Max	Complies	
PAHS	50ppb Max	Complies	
Non-Irradiated			
Microbiological Control			
Total Plate Count	1000cfu/g Max	Complies	AOAC
Salmonella	Negative	Complies	AOAC
Yeast & Mold	100cfu/g Max	Complies	AOAC
E.Coli	Negative	Negative	AOAC
Packing and Storage			
Packing	Packing in paper-drums and two plastic-bags inside.		
Storage	Store in a well-closed container away from moisture.		
Shelf Life	2 years if sealed and store away from direct sun light.		
Expiration Date	2022-NOV-02		
Analyst:	全雪军	QC manager:	戚彬彬
		QA manager:	张育杰