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Xi'an Plant Bio-engineering Co.,Ltd

Certificate of Analysis

Product name:	Curcumin 95% (natural)	Botanical Source:	<i>Curcuma longa L.</i>
Batch Number:	JHT18032201	Manu. Date:	March, 22 th, 2018
Batch Quantity	300kgs	Expiration Date:	March, 21 th, 2020
It isn't GM plant extracts		Report Date	March, 26 th, 2018

ANALYSIS ITEM	SPECIFICATION	RESULT	METHOD
Appearance	Yellow or orange fine powder	Organge fine powder	Visual
Odor	Characteristic	Complies	Organoleptic
Loss on Drying	2.0%	0.6%	105 /3hrs
Residue on Ignition	1.0%	Complies	750 /5hrs
Heavy Metals	<10ppm	Complies	CP2010
Pb	<2ppm	Complies	AAS
As	<1ppm	Complies	AAS
Hg	<0.5ppm	Complies	AAS
Cd	<1ppm	Complies	AAS
Solvent Residues			
Ethanol	5000ppm	Complies	GC
Methanol	20ppm	Complies	GC
Total Plate Count	<1000cfu/g	Complies	CP2010
Yeast & Mold	<100cfu/g	Complies	CP2010
E.Coli	Negative	Complies	CP2010
Salmonella	Negative	Complies	CP2010
Assay			
Curcuminoids	95% min	95.47%	HPLC
Curcumin	70%-80%	74.19%	HPLC
Demethoxycurcumin	15%-25%	18.54%	HPLC
Bisdemethoxycurcumin	2.5%-6.5%	2.74%	HPLC

Conclusion: Conform with USP standard

Storage: Store in a cool and dry place, keep away from direct strong and heat.

Shelf Life: 24months if when properly stored