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Trading UG (haftungsbeschränkt)
 Warnstedtstraße 16d
 22525 Hamburg
 Telefon 040-22816816
 contactoffice@plantacorp.de

Product Name: Curcumin Extract
PC Batch Num.: A03

CERTIFICATE OF ANALYSIS

Commodity	Turmeric Extract	Botanical Name	<i>Curcuma longa L.</i>
Batch Number	CP20160701	Manufacture Date	Jul.05,2016
Quantity	2kg	Expiry Date	Jul.04,2018
Foundation	Enterprise Standard	Report Date	Jul.11,2016

ITEMS	SPECIFICATIONS	RESULTS	METHODS
Appearance	Yellowish orange powder	Complies	Visual
Extracted Part	Root	Complies	Visual
Odor	Consistent	Complies	Organoleptic
Extract Solvent	Ethyl Acetate & Water	Complies	/
Mesh 80	95% Min	100%	USP <786>
Loss on Dry	2.0% Max	0.55%	USP <731>
Ash	2.0% Max	0.030%	USP <281>
Heavy Metals	10ppm Max	<10ppm	ICP - MS
Pb	3.0ppm Max	0.33ppm	ICP - MS
As	1.0ppm Max	0.12ppm	ICP - MS
Cd	1.0ppm Max	0.38ppm	ICP - MS
Hg	0.1ppm Max	Not detected	ICP - MS
Pesticides Residual	Comply with EU Directive	Complies	EU Directive 396/2005/EC
Solvents Residual	Comply with EU Directive	Complies	EU Directive 2009/32/EC
Benzoapyrene	10ppb max	Complies	GC-MS
Sum PAH 4	50ppb max	Complies	GC-MS
Total Plate Count	1,000cfu/g Max	<10cfu/g	USP <2021>
Yeast & Mould	100cfu/g Max	<10cfu/g	USP <2021>
E. Coli	Negative	<10cfu/g	USP <2022>
Salmonella	Negative	<10cfu/g	USP <2022>
Staphylococcus Aureus	Negative	Not Detected	USP <2022>
Pseudomonas Aeruginosa	Negative	Not Detected	USP <62>
Curcuminoids	95.0% Min	95.33%	HPLC
Curcumin		86.26%	HPLC
Demthoxy Curcumin		6.46%	HPLC
Bisdemethoxy Curcumin		2.61%	HPLC
Conclusion	Conform with specification.		
Storage	Store in well-closed container at room temperature, protect from light, moisture and pest infestation.		
Sterilization Method	High-temperature sterilization, non-irradiated.		