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Certificate of Analysis

Product Name	Chilli Pepper Extract Capsaicin 99%		
Latin Name	<i>Capsicum annum L.</i>	Used Part	Fruit
Production Date	2021-03-08	Batch No.	QA20210308
Expiry Date	2023-03-07	Report Date	2021-03-15
Original			
ITEMS	SPECIFICATIONS		RESULTS
Appearance	Light Yellow to white crystal Powder		Complies
Odor & Tasted	Characteristic		Complies
Capsaicinoids Assay(%)	≥ 99.0 HPLC		99.18
Capsaicin(W/%)	≥ 55.0		60.1
Solubility	Soluble in acetone, methyl alcohol; Insoluble in water		Complies
Melting Range(°C)	57-66		Complies
Loss on Drying(%)	≤1.0		0.13
Ignition Residue(%)	≤1.0		0.26
Solvent Residue(mg/kg)	≤50.0		Complies
Particle size(%)	100% through 80 mesh sieves		Complies
Heavy Metals			
Pb(ppm)	≤2.0		Complies
As(ppm)	≤2.0		Complies
Microbiological Tests			
Total Plate Count(cfu/g)	≤ 1000		Complies
Yeasts and Moulds(cfu/g)	≤ 100		Complies
E.coli (cfu/g)	Negative		Complies
Salmonella	Absent		Complies
Conclusion	Conform to USP38 standard.		
Packing	5kg/bag, 25kg/drum		
Storage and Handling	Store in a cool and dry place, keep away from direct strong and heat.		
Shelf life	Two years if sealed and store away from direct sun light.		

QC: Li Ting

QA: Tian Wen

