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Certificate of Analysis

Product Name	Chili Pepper Extract Capsaicin 99%		
Botanical Source	<i>Capsicum annuum L.</i>	Plant part used	Fruit
Production Date	2020-11-05	Batch No.	QL20201105
Expiry Date	2022-11-04	Report Date	2020-11-10
Original			
ITEMS	SPECIFICATIONS		RESULTS
Appearance	Light Yellow to White crystal powder		Complies
Odor & Tasted	Characteristic		Complies
Capsaicinoids Assay(HPLC)	≥ 98.0		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		
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		Negative
Salmonella	Absent		Complies
Conclusion	Conform with USP38 standard		
Packing	25kg/Drum		
Storage and Handling	Please store in well closed container away from moisture and high temperature.		
Shelf life	Two years if sealed and store away from direct sun light.		

QC: Li Yaqiang

QA: Jia Ying

