



We Bring Natural Ingredient From Nature

Shaanxi Guanjie Technology Co., Ltd.

Certificate of Analysis

Product Name	Capsaicin crystal	Latin Name	Capsicum Annum L.
Batch No.	CA220909	Extraction Method	Solvent extraction
Batch Quantity	50kg	Country of Origin	China
Manufacture Date	20220909	Expiry Date	20240908

ANALYSIS	SPECIFICATION	METHOD	RESULT
Appearance	Light yellow to white crystal powder	Organoleptic	White crystal powder
Odour	Characteristic	Organoleptic	Conform
Taste	Spicy	Organoleptic	Conform
Capsaicin (w/%)	≥ 55%	HPLC	59.06%
Capsaicinoids	≥ 95%	HPLC	95%
Solubility	Soluble in acetone,methyl alcohol Insoluble in water	-	Conform
Melting range	57-66℃	HPLC	57-66℃
Lose on drying	≤1.0%	HPLC	<0.15%
Ignition residue	≤1.0%	HPLC	<0.3%
Solvent Residue(mg/kg)	Max 50.0mg/kg	GB standard	Not detected
Heavy Metal			
Pb(mg/kg)	Max 10.0ppm	AOAC	Conform
As(mg/kg)	Max 2.0ppm	AOAC	Conform

Conclusion	Confirm with USP40&GB standard
Packing & Storage	24 months sealed in original package under the storage condition

Tested by: Liu gang

Date: 2022.09.15

Approved by: Susan Sun, Ph.D

Date: 2022.06.15



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