



Yunnan Honglv Capsaicin Co., Ltd

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Certificate of Analysis

Product Name	Capsaicin crystal	Botanical Source	<i>Capsicum annum L</i>
Batch No.	CA20161105	Manufacture Date	20161105
Batch Quantity	10kg	Expiry Date	20181104

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/%)	≥ 60%	HPLC-USP35	68%
Dihydro capsaicin	≥ 20%	HPLC-USP35	25%
Capsaicinoids	≥ 95%	HPLC-USP35	98%
Solubility	Soluble in acetone,methyl alcohol Insoluble in water	-	Conform
Melting range	61-66℃	USP32	61-66℃
Boiling point	210-220℃	USP32	Conform
Lose on drying	≤1.0%	USP32	<1%
Ignition residue	≤1.0%	USP32	<1%
Heavy Metal			
Pb(mg/kg)	Max 10.0ppm	AOAC	Not Detected
As(mg/kg)	Max 2.0ppm	AOAC	Not Detected
Solvent Residue(mg/kg)	Max 50.0mg/kg	USP32	0.1mg/kg

Conclusion	Confirm with USP35 standard
Packing & Storage	18 months sealed in original package under the storage condition

Quality Assurance Officer

Corrector

Analyst



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