

CERTIFICATE OF ANALYSIS

Black Pepper extract 95% Piperine (HPLC)

Batch No.: CHJJ-C-A006044 Manufacture Date: 20191216 Expiry Date: 20221215

General Information

Part Used	Seeds	Solvents Used	Water&Ethanol
Botanical Source	<i>Piper nigrum L.</i>	Country Of Origin	China

ITEMS	SPECIFICATION	METHOD	TEST RESULTS
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Physical&Chemical Data

Color	White	Organoleptic	Conform
Odour	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform

Analytical Quality

Identification	Identical to R.S. sample	HPTLC	Identical
Piperine	≥95.0%	HPLC	95.41%
Sieve analysis	100 % through 80 mesh	Eur.Ph. <2.9.12>	Conform
Water(KF)	≤1.0 %	Eur.Ph. <2.5.12>	0.06 %
Total Ash	≤1.0 %	Eur.Ph. <2.4.16>	0.05 %

Contaminants

Lead (Pb)	≤3.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.1171 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0763 mg/kg
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0117 mg/kg
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0412 mg/kg
Solvents Residue	Meet Eur.Ph. <5.4>	Eur.Ph. <2.4.24>	Conform
Pesticides Residue	Meet Eur.Ph. <2.8.13>	Eur.Ph. <2.8.13>	Conform

Microbiological

Total Plate Count	≤10000 cfu/g	Eur.Ph. <2.6.12>	10 cfu/g
Yeast &Mold	≤1000 cfu/g	Eur.Ph. <2.6.12>	10 cfu/g
E.Coli.	Negative	Eur.Ph. <2.6.13>	Conform
Salmonella	Negative	Eur.Ph. <2.6.13>	Conform

General Status

Non-Irradiation	≤700	EN <13751:2002>	190
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Packing&Storage

Packed in paper-drums and two plastic-bags inside;

N.W:25kgs, I.D.35×H51cm;

Store in a well-closed container Away from moisture,light, oxygen.

Shelf life

36 months under the conditions above and in its original packaging.

