



CERTIFICATE OF ANALYSIS

Kava Extract 30% Kavalactones (HPLC)

Batch No. : LYHAR20220206 Manufacture Date: 20220226 Expiry Date: 20250225

General Information

Part Used	Root	Solvents Used	Water&Ethanol
Botanical Source	<i>Piper methysticum</i>	Country Of Origin	China

ITEMS	SPECIFICATION	METHOD	TEST RESULTS
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Physical&Chemical Data

Color	Light yellow	Organoleptic	Conform
Odour	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform

Analytical Quality

Identification	Identical to <i>R.S.</i> sample	HPTLC	Identical
Kavalactones	≥ 30.0%	HPLC	31.20%
Sieve analysis	100 % through 80 mesh	Eur.Ph. <2.9. 12>	Conform
Loss on Drying	≤ 5.0 %	Eur.Ph. <2. 8. 17>	2.64 %
Total Ash	≤ 10.0 %	Eur.Ph. <2.4. 16>	0.09 %
Bulk density	30~50 g/ 100mL	Eur.Ph. <2.9.34>	49 g/ 100mL
Tap density	50~80g/100mL	Eur.Ph. <2.9.34>	56 g/ 100mL

Contaminants

Lead (Pb)	≤ 3.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	<0.01 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0286 mg/kg
Cadmium (Cd)	≤ 1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0946 mg/kg
Mercury (Hg)	≤ 0. 1 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0573 mg/kg
Solvents Residue	Meet Eur.Ph. <2 .4.24>	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>	20 cfu/g
Yeast &Mold	≤ 1000 cfu/g	Eur.Ph. <2.6. 12>	35 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>	144
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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

Quality Assurance Officer: 王炎

Corrector: 李丽

Analyst: 贺强

