

Certificate Of Analysis

Product Name: Hop Extract
Source: *Humulus lupulus L.*
Used Part: The female plant
Extract Solvent: Ethanol & Water
Non GMO **BSE/TSE Free** **Non Irradiation** **Allergen Free**

ITEMS	SPECIFICATION	RESULTS	METHODS
Assay Data			
Flavonoids	≥8%	8.25%	UV
Quality Data			
Appearance	Brown powder	Conforms	Visual
Odour	Characteristic	Characteristic	Organoleptics
Loss on Drying	≤5%	3.45%	USP<731>
Ash	≤5%	3.61%	USP<561>
Particle Size	95% Pass 80M	Conforms	USP<786>
Solvent Residue	Meet Requirements	Conforms	GC USP<467>
Heavy Metals	< 10ppm	Conforms	ICP-MS USP<231>
Lead(Pb)	< 3ppm	Conforms	ICP-MS USP<251>
Arsenic(As)	< 2ppm	Conforms	ICP-MS USP<211>
Cadmium(Cd)	< 1 ppm	Conforms	ICP-MS USP<233>
Mercury(Hg)	< 0.1 ppm	Conforms	ICP-MS USP<233>
Microbiological Data			
Total Plate Count	< 1000 cfu/g	Conforms	USP<2021>
Moulds and Yeast	< 100 cfu/g	Conforms	USP<2021>
E.Coli	Negative	Conforms	USP<2022>
Salmonella	Negative	Conforms	USP<2022>
Staphylococcus aureus	Negative	Conforms	USP<2022>
Addition Data			
Non Irradiation	≤700	Conforms	EN 13751:2002<PSL>
Packing	25kg/drum		
Storage	Store in a cool dry place, avoiding sunlight directly		
Shelf Life	Two Years		

