herbuno

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Technical Data Sheet

Hops Flower Extract 25:1

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1. Product identification

Product name	Hops Flower Extract 25:1
Material type	Botanical extract powder
Botanical name	*Humulus lupulus*
Plant part	Dried flowers
Extraction ratio	25:1
Composition	Extract 95–97% w/w; maltodextrin 3–5% w/w (carrier)
Processing	Processed in India

2. Description

Appearance	Fine powder
Colour	Brown, free-flowing powder
Odour & taste	Characteristic

3. Specifications

Parameter	Specification	Method
Physical		
Extraction ratio	25:1	In House
Loss on drying (105 °C)	NMT 8.0%	In House
Acid-insoluble ash	NMT 1.0%	In House
Ash	NMT 5.0%	In House
Particle size, 60–80 mesh	NLT 95%	As per USP <786>
Heavy metals		
Total heavy metals	NMT 10 ppm	AAS – ICP-MS
Arsenic (As)	NMT 2 ppm	AAS – ICP-MS
Lead (Pb)	NMT 3 ppm	AAS – ICP-MS
Cadmium (Cd)	NMT 1 ppm	AAS – ICP-MS
Mercury (Hg)	NMT 0.5 ppm	AAS – ICP-MS
Microbiology		
Total plate count	NMT 10,000 cfu/g	APHA CHP 7, FDA BAM
E. coli	Absent	AOAC 991.14
Salmonella	Absent	AOAC 991.14
Staphylococcus aureus	Absent	AOAC 991.14
Yeast & mould	NMT 100 cfu/g	FDA BAM, 7th Ed

4. Storage, shelf life and pack sizes

Storage	Cool, dark place
Shelf life	36 months from date of manufacture under the storage conditions above
Pack sizes	25 kg

This Technical Data Sheet provides typical specifications for reference. Lot-specific results are reported on the Certificate of Analysis (COA) issued for each lot. Specifications may vary between lots and may be revised without notice. Any material difference between this TDS and the applicable COA should be clarified with Herbuno before purchase or use. Herbuno's obligation is limited to conformity of the supplied lot with its COA. The buyer is responsible for assessing suitability for the intended application and compliance with applicable regulations. NMT = not more than · NLT = not less than · cfu = colony-forming units.

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