herbuno

IEC: ABCFG5010F · GSTIN: 09ABCFG5010F1ZU

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Technical Data Sheet

Alfalfa Leaf Extract 10:1

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1. Product identification

Product name	Alfalfa Leaf Extract 10:1
Material type	Botanical extract powder
Botanical name	*Medicago sativa*
Plant part	Leaf
Extraction ratio	10:1
Processing	Hydroalcoholic extraction; processed in India

2. Description

Appearance	Fine powder
Colour	Brown
Odour	Characteristic
Taste	Natural

3. Specifications

Parameter	Specification	Method
Physical		
Solubility	Soluble in water	In House
Identification	Identical to R.S. sample	TLC
Sieve analysis	90% through 80 mesh	Sieve
Moisture (w/w)	< 10.0%	In House
Bulk density (tapped)	40-80 g/100mL	In House
Heavy metals		
Arsenic	≤ 1.1 ppm	AAS, ISO 18664:2015
Cadmium	Max 1.5 ppm	AAS, ISO 18664:2015
Lead	≤ 2.5 ppm	AAS, ISO 18664:2015
Mercury	≤ 1.0 ppm	AAS, ISO 18664:2015
Contaminants		
Aflatoxin B1	≤ 5 ppb	ISO 16050:2003
Aflatoxin B2	≤ 2 ppb	ISO 16050:2003
Aflatoxin G1	≤ 2 ppb	ISO 16050:2003
Aflatoxin G2	≤ 2 ppb	ISO 16050:2003
Ethylene oxide	≤ 0.01 mg/kg	GC-MS
Pesticide residue	≤ 0.01 mg/kg	LC-MSMS & GC-MSMS
Microbiology		
Total plate count	< 10,000 cfu/g	ISO 4833-1-2013
Yeast & moulds	< 100 cfu/g	ISO 21527-2:2008
Coliforms	< 10 cfu/g	ISO 4832:2006
Escherichia coli	Absent/25 g	ISO 16649-2-2001
Salmonella	Absent/25 g	ISO 6579-1:2017/AMD 1:2020

4. Storage, shelf life and pack sizes

Storage	Sealed containers in a cool, dry place, protected from light, moisture and pest infestation
Shelf life	36 months under the storage conditions above, in the original package
Pack sizes	25 kg

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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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