



HERBAL EXTRACT

Moringa Leaf Extract 30%

Moringa oleifera · Moringa · Leaves

RESULT

Conforms

BOTANICAL NAME Moringa oleifera	PART USED Leaves	PREPARATION Dry extract	STANDARDIZATION Saponins NLT 30% (Gravimetric)
MFG. DATE April 2025	EXP. DATE March 2028	BATCH SIZE 100 kg	COUNTRY India

S.NO	PARAMETER	SPECIFICATION	METHOD	RESULT
1.0	DESCRIPTION (ORGANOLEPTIC)			
1.1	Colour	Greenish brown to dark brown	Visual	Dark brown
1.2	Odour	Characteristic	Organoleptic	Characteristic
1.3	Taste	Characteristic	Organoleptic	Characteristic
1.4	Texture	Free-flowing powder without lumps	Visual	Complies
2.0	ANALYTICAL DATA			
2.1	Identification	TLC profile complies with reference; all major bands	By TLC	Complies
2.2	Loss on drying (% w/w)	NMT 6.0	USP <731>	4.0% w/w
2.3	Residue on ignition (% w/w)	NMT 10.0	USP <281>	5.9% w/w
2.4	Tapped bulk density (g/ml)	0.30 – 0.90	USP <616>	0.68 g/ml
2.5	Water-soluble extractive (% w/w)	NLT 60.0	In-house	65.7% w/w
2.6	Particle size (through #40 mesh)	NLT 95.0% w/w	USP <786>	Complies
3.0	ASSAY			
3.1	Total Saponins (% w/w)	NLT 30.0	Gravimetric	30.8% w/w
4.0	HEAVY METALS (ICP-MS)			
4.1	Lead (ppm)	NMT 3.0	ICP-MS	Complies
4.2	Arsenic (ppm)	NMT 1.0	ICP-MS	Complies
4.3	Cadmium (ppm)	NMT 1.0	ICP-MS	Complies
4.4	Mercury (ppm)	NMT 0.1	ICP-MS	Complies
5.0	MICROBIOLOGICAL ANALYSIS			
5.1	Total Aerobic Microbial Count (cfu/g)	NMT 3,000	USP <2021>	300
5.2	Total Yeast & Mould Count (cfu/g)	NMT 100	USP <2021>	<10
5.3	Coliforms	Negative / 10 g	USP <2022>	Negative
5.4	Escherichia coli	Negative / 10 g	USP <2022>	Negative
5.5	Salmonella sp.	Negative / 25 g	USP <62>	Negative
5.6	Staphylococcus aureus	Negative / 10 g	USP <2022>	Negative
5.7	Pseudomonas aeruginosa	Negative / 10 g	USP <2022>	Negative

Remarks: The product Moringa Leaf Extract 30% conforms to the above-mentioned specifications.

* The product is of herbal origin; slight colour variation may occur due to geographical and seasonal variation in the raw material.

SOURCE Cultivated · GMO-free	SANITIZING TREATMENT Non-irradiated · Non-ETO	SHELF LIFE 36 months from date of manufacture	STORAGE Cool, dry place at room temperature; protected from moisture, sunlight & heat
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