



HERBAL EXTRACT

Moringa Extract 20%

Moringa oleifera · Moringa · Dry extract · Saponins 20%

COUNTRY OF ORIGIN
INDIA

RESULT
Conforms

BOTANICAL NAME Moringa oleifera	PREPARATION Dry extract	STANDARDIZATION Saponins NLT 20% (gravimetric)	WATER SOLUBILITY NLT 85% w/w (IP 2014)	
MFG. DATE 7 May 2026	EXP. DATE 6 April 2029	BATCH SIZE 50 kg	COUNTRY OF MANUFACTURE India	
S.NO	PARAMETER	SPECIFICATION	METHOD	RESULT
1.0	DESCRIPTION			
1.1	Appearance	Brown fine powder	Organoleptic	Complies
1.2	Colour	Light brown colour	Organoleptic	Complies
1.3	Odour	Characteristic	Organoleptic	Complies
1.4	Taste	Characteristic	Organoleptic	Complies
2.0	ANALYTICAL DATA			
2.1	Identification	Identification test positive	TLC	Positive
2.2	Loss on drying (at 105 °C)	NMT 10.0%	IP 2014	4.10% w/w
2.3	pH (1% w/v solution)	3 – 7	IP 2014	5.23
2.4	Water solubility	NLT 85% w/w	IP 2014	92.08% w/w
2.5	Bulk density	NLT 0.25 g/ml	IP 2014	0.855 g/ml
2.6	Ash content	NMT 10.0% w/w	IP 2014	6.71% w/w
2.7	Particle size	NLT 95% passes through 40 mesh	Sieve	96.97% w/w
3.0	ASSAY (ON DRY BASIS)			
3.1	Saponin content	NLT 20% w/w	Gravimetric	21.52% w/w
4.0	HEAVY METALS			
4.1	Lead	NMT 1.0 ppm	ICP-MS	Complies
4.2	Arsenic	NMT 1.0 ppm	ICP-MS	Complies
4.3	Cadmium	NMT 0.3 ppm	ICP-MS	Complies
4.4	Mercury	NMT 0.1 ppm	ICP-MS	Complies
5.0	MICROBIOLOGICAL ANALYSIS			
5.1	Total plate count	NMT 1,000 cfu/g	USP <2021>	243 cfu/g
5.2	Yeast / moulds / fungi	NMT 100 cfu/g	USP <2021>	37 cfu/g
5.3	Escherichia coli	Absent	USP <2022>	Negative
5.4	Salmonella	Absent	USP <2022>	Negative
5.5	Staphylococcus aureus	Absent	USP <2022>	Negative

Remarks: The product Moringa Extract 20% 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.

SHELF LIFE 3 years in original packed condition from date of manufacture	STORAGE Cool, dry place away from light and moisture
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