

PRODUCT SPECIFICATION

INCI/Botanical Name	AZADIRACHTA INDICA	Product Name	Neem Extract
Parts of Plant	Leaf	Report No	MA/HP/23
Extraction Ratio	Liquid Extract	Origin	India
Extraction Base	Water/Solvent	Date of Expiry	02 Years
Cas No	8002-65-1	HSN Code	13021919
TEST	SPECIFICATION		METHOD

A. Physical Parameters:

<u>Solvent Used</u>	PROPYLENE GLYCOL	GLYCERIN	DISTILLED	
Appearance	Liquid	Liquid	---	Visual
Color	Yellowish brown	Yellowish brown	---	Visual
Odour	Characteristic	Characteristic	---	Organoleptic
Taste	Bitter	Bitter	---	Organoleptic
Miscibility				
Water	Miscible	Miscible	---	USP 516
Propylene	Miscible	Miscible	---	USP 516
Alcohol (50% Alcohol)	Miscible	Miscible	---	USP 516
pH (1% Aqu. Solⁿ.)	Between 3.0 to 7.0	Between 4.0 to 7.0	---	USP 791
Specific Gravity (At 20^oC)	Between 1.00 to 1.1 gm/ml	Between 1.16 to 1.23 gm/ml	---	Pycnometer

B. Active Ingredients:

Bitter	Presence	Presence	---	USP
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C. Heavy Metals:

Lead (PB)	NMT 1.0 ppm	---	---	USP 233
Mercury (HG)	NMT 1.0 ppm	---	---	USP 233
Arsenic (AS)	NMT 1.0 ppm	---	---	USP 233
Cadmium (CD)	NMT 1.0 ppm	---	---	USP 233

D. Microbiological Test:

Total Aerobic Count	NMT 1000 cfu/gm	---	---	USP 2021
Total Yeast & Mold Count	NMT 100 cfu/gm	---	---	USP 2021
Escherichia coli	Absent	---	---	USP 2022
Salmonella	Absent	---	---	USP 2022
S. aureus	Absent	---	---	USP 2022
Staphylococcus	Absent	---	---	USP 2022

E. Other:

Standard Packing: 25 Kg in single HDPE Container.

The above material complies with in-house specifications.

Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30^oC.

The Product Is of Herbal Origin. There May Be Minor Color Difference Due to Geographical and Seasonal Variation of the Plant Material.

Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.



PRODUCT SPECIFICATION

INCI/Botanical Name	<i>AZADIRACHTA INDICA</i>	Product Name	Neem Extract		
Parts of Plant	Leaf	Report No	MA/HP/23		
Extraction Ratio	Oil Extract	Origin	India		
Extraction Base	Oil/Solvent	Date of Expiry	02 Years		
Cas No	8002-65-1	HSN Code	13021919		
TEST	SPECIFICATION				METHOD
A. Physical Parameters:					
Solvent Used	LLP	SESAME	SUNFLOWER	COCONUT	
Appearance	Clear oil	---	---	---	Visual
Color	Light yellow	---	---	---	Visual
Odour	Bitter	---	---	---	Organoleptic
Specific Gravity (At 20⁰C)	Between 0.810 to 0.930 gm/ml	---	---	---	Pycnometer
Miscibility					
Mineral	Miscible	---	---	---	USP 561
Vegetable Oil	Miscible	---	---	---	USP 561
B. Active Ingredients:					
---	---	---	---	---	USP
C. Heavy Metals:					
Lead (PB)	NMT 1.0 ppm	---	---	---	USP 233
Mercury (HG)	NMT 1.0 ppm	---	---	---	USP 233
Arsenic (AS)	NMT 1.0 ppm	---	---	---	USP 233
Cadmium (CD)	NMT 1.0 ppm	---	---	---	USP 233
D. Microbiological Test:					
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Escherichia coli	Absent	---	---	---	USP 2022
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Staphylococcus	Absent	---	---	---	USP 2022
E. Other:					
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The above material complies with in-house specifications.					
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