

PRODUCT SPECIFICATION

INCI/Botanical Name	<i>MACADAMIA INTEGRIFOLIA</i>	Product Name	Macadamia Extract
Parts of Plant	Nut	Report No	MI/HP/23
Extraction Ratio	Liquid Extract	Origin	India
Extraction Base	Water/Solvent	Date of Expiry	02 Years
Cas No	129811-19-4	HSN Code	13021919
TEST	SPECIFICATION		METHOD

A. Physical Parameters:

Solvent Used	PROPYLENE GLYCOL	GLYCERIN	DISTILLED	
Appearance	Liquid	Liquid	Clear liquid	Visual
Color	Brownish	Light brownish	Colorless	Visual
Odour	Characteristic	Characteristic	Characteristic	Organoleptic
Taste	Taste of nut	Taste of nut	---	---
Miscibility				
Water	Miscible	Miscible	Miscible	USP 516
Propylene	Miscible	Miscible	Miscible	USP 516
Alcohol (50% Alcohol)	Miscible	Miscible	Miscible	USP 516
pH (1% Aqu. Solⁿ.)	Between 4.0 to 7.0	Between 4.0 to 7.0	Between 4.0 to 7.0	USP 791
Specific Gravity (At 20^oC)	Between 1.000 to 1.100 gm/ml	Between 1.16 to 1.23 gm/ml	Between 1.000 to 1.100 gm/ml	Pycnometer

B. Active Ingredients:

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

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

D. Microbiological Test:

Total Aerobic Count	NMT 1000 cfu/gm	NMT 1000 cfu/gm	NMT 1000 cfu/gm	USP 2021
Total Yeast & Mold Count	NMT 100 cfu/gm	NMT 100 cfu/gm	NMT 100 cfu/gm	USP 2021
Escherichia coli	Absent	Absent	Absent	USP 2022
Salmonella	Absent	Absent	Absent	USP 2022
S. aureus	Absent	Absent	Absent	USP 2022
Staphylococcus	Absent	Absent	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>MACADAMIA INTEGRIFOLIA</i>	Product Name	Macadamia Extract		
Parts of Plant	Nut	Report No	MI/HP/23		
Extraction Ratio	Oil Extract	Origin	India		
Extraction Base	Oil/Solvent	Date of Expiry	02 Years		
Cas No	129811-19-4	HSN Code	13021919		
TEST	SPECIFICATION			METHOD	
A. Physical Parameters:					
Solvent Used Oil	LLP	SESAME	SUNFLOWER	COCONUT	
Appearance	---	---	Clear oil	---	Visual
Color	---	---	Yellow	---	Visual
Odour	---	---	Characteristic	---	Organoleptic
Specific Gravity (At 20⁰C)	---	---	Between 0.910 to 0.950 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:					
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.					
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