

PRODUCT SPECIFICATION

INCI/Botanical Name	CENTELLA ASIATICA	Product Name	Gotu Kola/Brahmi Extract
Parts of Plant	Leaf	Report No	CA/HP/23
Extraction Ratio	Liquid Extract	Origin	India
Extraction Base	Water/Solvent	Date of Expiry	02 Years
Cas No	84696-21-9	HSN Code	13021919

TEST	SPECIFICATION			METHOD
------	---------------	--	--	--------

A. Physical Parameters:

<u>Solvent Used</u>	PROPYLENE GLYCOL	GLYCERIN	DISTILLED	
Appearance	Liquid	Liquid	Clear liquid	Visual
Color	Brownish	Brownish	Colorless	Visual
Odour	Characteristic	Characteristic	Characteristic	Organoleptic
Taste	Taste of brahmi leaf	Taste of brahmi leaf	---	---
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 3.0 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:

Terpenoids	Presence	Presence	---	USP
-------------------	-----------------	-----------------	-----	------------

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>CENTELLA ASIATICA</i>		Product Name	Gotu Kola/Brahmi Extract	
Parts of Plant	Leaf		Report No	CA/HP/23	
Extraction Ratio	Oil Extract		Origin	India	
Extraction Base	Oil/Solvent		Date of Expiry	02 Years	
Cas No	84696-21-9		HSN Code	13021919	
TEST	SPECIFICATION			METHOD	
A. Physical Parameters:					
<u>Solvent Used Oil</u>	LLP	SESAME	SUNFLOWER	COCONUT	
Appearance	Clear oil	---	---	---	Visual
Color	Light yellow	---	---	---	Visual
Odour	Characteristic	---	---	---	Organoleptic
Specific Gravity (At 20 ⁰ C)	Between 0.810 to 0.93 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.					
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 ⁰ C.					
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.

