

PRODUCT SPECIFICATION			
INCI/Botanical Name	MYRISTICA FRAGRANS	Date of Expiry	02 Years
Product Name	Nutmeg Butter	Extraction Method	Cold Press
Report No.	MF/GV/15-206/23	Extraction Ratio	---
Parts of Plant	Seed	Origin	India
Cas No	8008-45-5	HSN Code	33019017
TEST	SPECIFICATION	METHOD	
A. Physical Parameters:			
Appearance	Semi solid	Visual	
Colour (Gardner)	NMT 4.0 - pale yellow color	Visual	
Odour	Typical smell of nutmeg butter	Organoleptic	
Taste	Characteristic	Organoleptic	
Solubility	Soluble in cosmetic ester & fixed oil. Insoluble in water	USP 516	
Melting Point (⁰ C)	Between 38.0 ⁰ C to 42.0 ⁰ C	USP	
Iodine Value	Between 40.0 to 55.0 gI ₂ /100g	USP	
Acid Value	NMT 0.5 mg KOH/g	USP	
Saponification	Between 180% to 195%	USP	
Unsaponifiable Matter	NMT 1.0% m/m	USP	
Peroxide Value	MMT 5.0 Meq O ₂ /Kg	USP	
Purity	Material is 100% natural and organic as confirmed by our chemist expert and tested on the basis of our standard	USP	
B. Fatty Acid Composition:			
Palmitic Acid	Between 3.5% to 15.0%	Gas Liquid Chromatograph	
Stearic Acid	Between 30.0% to 60.0%	Gas Liquid Chromatograph	
Oleic Acid	Between 30.0% to 65.0%	Gas Liquid Chromatograph	
Linoleic Acid	Between 3.5% to 20.0%	Gas Liquid Chromatograph	
Arachidic Acid	Between 1.0% to 2.0%	Gas Liquid Chromatograph	
C. Heavy Metals:			
Lead (PB)	NMT 3.0 ppm	ICP-MS	
Arsenic (AS)	NMT 1.0 ppm	ICP-MS	
Cadmium (CD)	NMT 1.0 ppm	ICP-MS	
Mercury (HG)	NMT 0.5 ppm	ICP-MS	
D. Microbiological Test:			
Total Plate Count	NMT 100 cfu/g	USP 2021	
Total Yeast & Mold Count	NMT 10 cfu/g	USP 2021	
Escherichia coli	Absent	USP 2021	
Salmonella	Absent	USP 2021	
Staphylococcus Aureus	Absent	USP 2021	
Pseudomonas Aeruginosa	Absent	USP 2021	
F. 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 25 ⁰ C.			
The Product Is of Herbal Origin. There May Be Minor Color Different Due to Geographical and Seasonal Variation of the Plant Material.			

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

