PRODUCT SPECIFICATION

INCI/Botanical Name	***THEOBROMA CACAO***	**Date of Expiry**	02 Years
Product Name	Cocoa Butter	**Extraction Method**	Cold Press
Report No.	TC/GV/15-189/23	**Extraction Ratio**	---
Parts of Plant	Seed	**Origin**	India
Cas No	8002-31-1	**HSN Code**	18040000

TEST	SPECIFICATION	METHOD
A. Physical Parameters:		
Appearance	Semi solid	Visual
Colour	Creamy white to pale yellow color	Visual
Odour	Typical smell of cocoa butter	Organoleptic
Taste	Characteristic	Organoleptic
Solubility	Soluble in cosmetic ester & fixed oil. Insoluble in water	USP 516
Melting Point (^{0}C)	Between 42.0^{0}C to 48.0^{0}C	USP
Iodine Value	Between 35.0 to 45.0 gI_2/100g	USP
Free Fatty Acid	NMT 1.50% oleic	USP
Saponification Value	Between 192-197	USP
Unsaponifiable Matter	NMT 1.0% m/m	USP
Peroxide Value	MMT 10.0 Meq O_2/Kg	USP
Acid Value	NMT 4.0 mg KOH/g	USP
Clear Point	Between 32.0 to 35.0	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 20.0% to 35.0%**	**Gas Liquid Chromatograph**
Stearic Acid	**Between 25.0% to 40.0%**	**Gas Liquid Chromatograph**
Oleic Acid	**Between 25.0% to 40.0%**	**Gas Liquid Chromatograph**
Linoleic Acid	**Between 1.0% to 5.0%**	**Gas Liquid Chromatograph**
Arachidic Acid	**Between 1.0% to 3.0%**	**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 2022
Salmonella	Absent	USP 2022
Staphylococcus Aureus	Absent	USP 2022
Pseudomonas Aeruginosa	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 25ºC.		
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.