

Certificate of Analysis

ETHERVĀ

Product		ETHERVA™ Tamanu Oil Unrefined	
Statement	Certificate of Analysis (SKU: TMU)		
Product	Tamanu Oil Unrefined Raw (a.k.a Mowrah Oil Unrefined)		
Product Name	Mowrah Oil Unrefined		
INCI Name	Bassia Latifolia (Mowrah) Seed Butter		
CAS Number	223748-12-7		
Class	Vegetable Oil		
Extraction Method	Cold Pressed		
Part Used	Seed Kernel (Extracted from the Fruit)		
Quality	Unrefined		
Status	100% Natural Filtered		
Shelf Life	36 Months with Proper Storage		
Origin	India		
Lot Number	TMU2021		
Date of Manufacture	05/2021		
Date of Expiry	04/2024		
Test Parameter	Test Protocol	Unit	Test Result
Physical Properties			
Appearance	Organoleptic assay	-	Liquid
Color	Organoleptic assay	-	Green
Odor	Organoleptic assay	-	Characteristic / Nutty
Moisture	IS 548 (Part-1) : 1964	%	0.06
Volatile matter	IS 548 (Part-1) : 1964	%	0.06
Specifications			
Melting Point	IS 548 (Part-1) : 1964	Degrees Celsius	34°C
Peroxide Value	IS 548 (Part-1) : 1964	mEqO2 / kg	<0.2
Refractive Index (at 40°C)	IS 548 (Part-1) : 1964	-	1.4702
Saponification Value (mg KOH/g)	IS 548 (Part-1) : 1964	-	189.33
Unsaponifiables	IS 548 (Part-1) : 1964	%	0.89
Iodine Value	IS 548 (Part-1) : 1964	-	95.96
Acid Value	IS 548 (Part-1) : 1964	-	38.10
Free Fatty Acids	IS 548 (Part-1) : 1964	%	19.21
Total Saturated	NAL/INS/SOP/GC004	%	34.83
Total Monounsaturated	NAL/INS/SOP/GC004	%	37.77
Total Polyunsaturated	NAL/INS/SOP/GC004	%	27.00

Flash Point	IS 1448: Part 21: 2019	Degrees Celsius	136°C
Fatty Acids Composition (%)			
Stearic	NAL/INS/SOP/GC004	%	17.49
Oleic	NAL/INS/SOP/GC004	%	35.24
Palmitic	NAL/INS/SOP/GC004	%	16.32
Linoleic	NAL/INS/SOP/GC004	%	0.59
Myristic	NAL/INS/SOP/GC004	%	BLQ / LOQ-0.10
Additional Notes			
Warning	For external use only.		
Storage	To prevent melting, keep in a cool dry place away from moisture sources and direct sunlight. It is prudent to note that as the product ages, it will gradually develop a dry and cracked appearance with a darker colour hue.		
Notes	<p>O1. Variation: Since this product is obtained from a natural source, the specifications mentioned above might slightly vary from lot to lot depending on the raw material & its origin/area.</p> <p>O2. This product is in a liquid state at ambient temperatures and is best used within cosmetic formulations along with other semi-soft or hard ingredients to make it more suitable while developing skin care products.</p> <p>O3. The above specifications are offered in good faith and are accurate to the best of our knowledge. However no guarantee or warranties are offered or implied. It is recommended that customers' laboratories perform their own analysis to ensure that the product specifications and results meet their specific requirements and those of their local and national government standards.</p>		
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