

CERTIFICATE OF ANALYSIS

Product	Baobab Oil (<i>Organic</i>)
Botanical Name	<i>Adansonia digitata</i>
Batch Number	ESC13021C
Manufacturing Date	September 2023
Retest Date	August 2024
Extraction	Cold pressed
Part of Plant Used	Seed
Country of Origin	Mozambique

The results are reported with the expanded relative uncertainty at a confidence level of 95% using a factor of $k = 2$

Sample	Results	Uncertainty	LOQ
Peroxide Value (meg/kg oil)	Lower than LOQ		0.80
Acid Value (mg KOH/g sample)	3.09	± 0.048	0.11
Free Fatty Acids (g oleic acid/100g oil)	1.55	± 0.024	0.056
Saponification Value (mg KOH to saponify 1g sample)	192.2	± 3.5	
Iodine Value *	88.48		
Relative Density * (20°C)	1.4677		
Refractive Index * (20°C)	1.48		

* NOT SANAS ACCREDITED

Limit of detection (LOD) = 0.09g Fatty Acid/100g Fatty Acids

Limit of quantitation (LOQ) = 0.28g Fatty Acid/100g Fatty Acids

Values below the limit of quantitation cannot be accurately quantified

Fatty Acid	g Fatty Acids/100g Fatty Acids	Uncertainty
C6:0 Caproic Acid	None detected	/
C8:0 Caprylic Acid	None detected	/
C10:0 Capric Acid	None detected	/
C12:0 Lauric Acid	None detected	/

Fatty Acid	g Fatty Acids/100g Fatty Acids	Uncertainty
C14:0 Myristic Acid	Lower than LOQ	/
C16:0 Palmitic Acid	24.9	± 2.9
C16:1 Palmitoleic Acid	Lower than LOQ	/
C17:0 Margaric Acid	Lower than LOQ	/
C17:1 Ginkgolic Acid	None detected	/
C18:0 Stearic Acid	3.63	± 0.18
C18:1 trans Oleic Acid	None detected	/
C18:1 cis Oleic Acid	33.15	± 0.99
C18:1 Malvalic Acid *	2.49	/
C19:1 Sterculic Acid *	0.72	/
C18:2 trans Linoleic Acid	None detected	/
C18:2 cis Linoleic Acid	32.4	± 0.89
C18:3 n6 Linolenic Acid	None detected	/
C18:3 n3 Linolenic Acid	0.487	± 0.034
C20:0 Arachidic Acid	0.86	± 0.18
C20:0 Eicosenoic Acid	0.249	± 0.046
C20:2 Eicosadienoic	None detected	/
C21:0 Heneicosanoic Acid	None detected	/
C22:0 Behenic Acid	0.315	± 0.066
C24:0 Lignoceric Acid	Lower than LOQ	/
C24:1 Nervonic Acid	None detected	/