



Sample Details				
Sample Description		MCT Oil		
Sample Lot No		UC642310004302		
Sample From		EARTH LIKE ORGANICS		
Manufacturing Date		10.08.2023		
Expiry Date		09.08.2025		
Quantity		200 kg		
Other Details				
MCT OIL Certificate of Analysis				
S. No	TESTS	UNIT	SPECIFICATION	RESULT
1	Appearance	-	Clear Colorless to pale yellow	Clear colorless liquid
2	DENSITY @ 20°C	g/cm ³	0.9300 – 0.9600	0.9442
3	COLOUR APHA	Hazen	Max 50	10
4	Refractive Index N20/D	-	1.4400 – 1.4520	1.4469
5	VISCOSITY @ 20°C	mPa.s	25 - 33	31
6	MOISTURE CONTENT (BY KFR)	%	Max – 0.20	0.07
7	ACID VALUE	mg KOH/gm	Max – 0.1	0.095
8	SAPONIFICATION VALUE	mg KOH/gm	325 - 345	342.29
9	HYDROXYL VALUE	mg KOH/gm	Max – 5.0	2.26
10	TOTAL ASH	%	Max- 0.1	Nil
11	IODINE VALUE	g/100	Max – 1.0	<0.1
12	PEROXIDE VALUE	meq/kg	Max – 1.0	<1.0
13	UNSAAPONIFIABLES	%	Max – 0.5	<0.5
14	ALKALINE IMPURITIES (0.01M HCL)	ml	Max – 0.15	<0.05
15	HEAVY METALS	Ppm	Max – 10	
	CHROMIUM (Cr)	Ppm	Max - 0.05	<0.01
	COPPER (Cu)	Ppm	Max – 0.1	<0.01
	LEAD (Pb)	Ppm	Max – 0.1	<0.01
	NICKEL (Ni)	Ppm	Max – 0.2	<0.01
	TIN (Sn)	Ppm	Max – 0.1	<0.01
	ARSENIC (As)	Ppm	Max – 0.5	<0.01
16	FATTY ACID DISTRIBUTION			
	C6:0	%	Max – 2.0	0.01
	C8:0	%	55 to 65	58.78
	C10:0	%	35 – 45	41.18
	C12:0	%	Max – 3.0	0.02
	C14:0	%	Max – 1.0	0.0
17	GC Composition			
	DI Glycerides	%	Max – 2.0	1.56
	Tri Glycerides	%	Min – 98.0	98.45



Remarks:			
Based on sample analysis results the product Complies / Not Complies as per Specification			
Conclusion: The product is Released / Quarantined / Rejected			
Date of Analysis	04.03.2023	Analysed by	Authorised by
Reference	UPL/S/D/2022-23/MCT/137	K. Rishwan	K. Mohan