



VAAJSAN INDUSTRIES

## CERTIFICATE OF ANALYSIS

PRODUCT: CAPRYLIC/ CAPRIC TRIGLYCERIDES

BATCH NO.: 1017

DATE OF MFG.: 02-MAY-2022

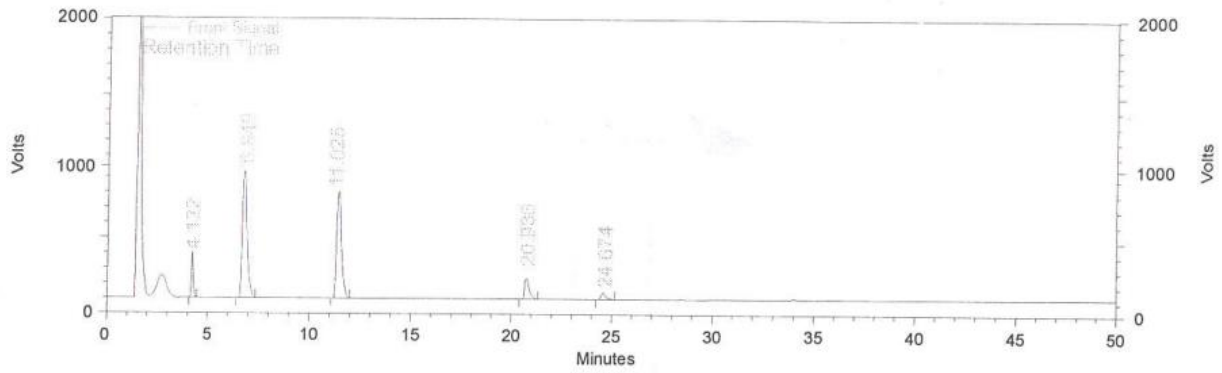
BEST BEFORE: 2 Years from the Date of Manufacturing

DESCRIPTION : Clear, Colourless Oily Liquid

S.No.	Parameters	Test Result	Limits
1	Moisture content (by KF)	0.11%	NMT 0.2%
2	Viscosity	26mPas	25mPas to 33mPas
3	Hydroxyl value	02	NMT 10.0
4	Unsaponifiable matter	0.36%	NMT 0.5%
5	Solubility	Complies	Soluble in fixed oils
6	Alkaline impurities	Less than 0.15ml f 0.01 NHCL is required	NMT 0.15ml of 0.01 NHCL is required
7	Relative Density at (20 <sup>0</sup> C)	0.951g/ml	0.930 /ml to 0.960 [ml
8	Saponification value	346	310 to 360
9	Iodine value	0.21	NMT 1.0
10	Refractive index at (20 <sup>0</sup> C)	1.448	1.440 to 1.452
11	Peroxide value	0.51	NMT 1.0
12	Acid value	0.06	NMT 0.2
13	Total Ash	0.04%	NMT 0.1%
14	Fatty Acid Composition (by GC)		
i.	Caproic Acid	Not Detected	Max 2.0
ii.	Caprylic Acid	54.31%	50.0% to 80.0%
iii.	Capric Acid	36.81%	20.0% to 50.0%
iv.	Lauric Acid	1.51%	Max 3.0%
v.	Myristic Acid	0.35%	Max. 1.0%



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## Front Signal Results

Retention Time	Area	Area%	Name
4.122	14108586	4.75	
6.849	160807070	54.13	caprylic acid
11.025	115800991	38.98	capric acid
20.936	4484991	1.51	lauric acid
24.674	1038247	0.35	myristic acid
27.102	831854	0.28	

Totals	297071739	100.00	
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