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**MASESTER®**

## PRODUCT SPECIFICATION

**PRODUCT CODE** : MASESTER E6000 US01-2

**SYNONYMS** : Glycerol Tricaprylate/ Caprate; Medium Chain Triglycerides; Caprylic/ Capric Triglyceride

**PRODUCT DESCRIPTION** : MASESTER E6000 is manufactured by reacting fractionated fatty acids (mainly caprylic and capric acids) with refined glycerine; both raw materials derived from palm-based oils. The product is essentially odorless.

**INCI NAME** : Caprylic/Capric Triglyceride

**CAS NO.** : 65381-09-1/ 73398-61-5

**EINECS NO.** : 265-724-3/ 277-452-2

PARAMETERS	SPECIFICATION	TEST METHOD
Appearance	Colourless or slightly yellowish oily liquid	Visual
Acid Value, mgKOH/g	0.1 MAX	AOCS
Saponification Value, mgKOH/g	325 - 345	AOCS
Iodine Value, gI <sub>2</sub> /100g	0.5 MAX	AOCS
Hydroxyl Value, mgKOH/g	5 MAX	AOCS
Peroxide Value, meq/kg	1 MAX	AOCS
Moisture, %	0.15 MAX	AOCS (Karl Fischer)
Colour, APHA	70 MAX	AOCS
Viscosity at 20°C, mPas	25 - 33	AOCS
Specific Gravity at 20°C	0.93 - 0.96	AOCS
Refractive Index N <sub>20</sub> /D	1.440 - 1.452	AOCS
Unsaponifiable Matter, %	0.5 MAX	ISO
Total Ash, %	0.1 MAX	ISO
Alkaline Impurities, ml	0.15 MAX	EP
Fatty Acid Composition, %		ISO
C6	2 MAX	
C8	55 - 65	
C10	35 - 45	
C12	3 MAX	
C14	1 MAX	

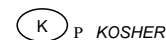
### PERIODIC TESTING PARAMETER

PARAMETERS	SPECIFICATION	TEST METHOD
Heavy Metals, ppm	10 MAX	USP
Chromium, ppm	0.05 MAX	ICPMS
Copper, ppm	0.1 MAX	ICPMS
Lead, ppm	0.1 MAX	ICPMS
Nickel, ppm	0.1 MAX	ICPMS
Tin, ppm	0.1 MAX	ICPMS

**SHELF LIFE** : 2 Years to Re-test from the date of manufacture

**STORAGE CONDITION** : i. The product must be stored in manufacturer's original sealed container.  
ii. The product must be stored in a sheltered and well-ventilated warehouse; not exposed to moisture and direct sunlight

The above product complies to USP 39 NF 34 , EP 8.0 Edition and BP 2015 specifications.



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