



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: COTTONSEED OIL, REFINED**

LOT NUMBER: LOT0014862

PRODUCT INCI: GOSSYPIUM HERBACEUM SEED OIL

PRODUCT CODE: K0163

CAS NUMBER: 8001-29-4

EINECS NUMBER: 232-280-7

MANUFACTURING METHOD: EXPPELLER PRESSED, REFINED

MANUFACTURING DATE: 17/01/2023

BEST BEFORE DATE: 17/01/2025

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR	CLEAR - LIGHT YELLOW	-
SPECIFIC GRAVITY @ 20°C	0.915 – 0.925	0.918
REFRACTIVE INDEX @ 20°C	1.460 – 1.477	1.472
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<10.0	COMPLIES
IODINE VALUE (CALC)	99.0 – 122.0	110.0
ACID VALUE	<0.1	0.1
SAPONIFICATION VALUE (MG KOH/GR)	186.0 – 198.0	195.0

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C14:0	MYSTIC	<2.0	0.8
C16:0	PALMITIC	17.0 – 28.0	24.0
C16:1	PALMITOLEIC	<2.0	0.6
C18:0	STEARIC	1.0 – 4.0	2.5
C18:1	OLEIC	12.0 – 26.0	17.0
C18:2	LINOLEIC	45.0 – 60.0	53.8
C18:3	LINOLENIC	<2.0	0.5
C22:0	ARACHIDIC	<1.0	0.3

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