

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: RICE BRAN OIL, REFINED**

LOT NUMBER: LOT0013882

PRODUCT INCI: ORYZA SATIVA BRAN OIL

CAS NUMBER: 68553-81-1; 84696-37-7

EINECS NUMBER: 271-397-8

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED

MANUFACTURING DATE: 06/07/22

BEST BEFORE DATE: 06/07/24

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	CLEAR - LIGHT YELLOW	-
COLOUR (LOVIBOND)	<30.0Y, <2.5R	15.0Y, 1.3R
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.915 – 0.923	0.916
REFRACTIVE INDEX @ 20°C	1.468 – 1.475	1.469
SAPONIFICATION VALUE	180.0 – 195.0	191.0
FREE FATTY ACID (% AS OLEIC)	<0.5	0.1
PEROXIDE VALUE	<10.0	0.4
IODINE VALUE	100 - 110	110.0
ACID VALUE	<1.0	0.2

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	12.0 – 18.0	13.5
C18:0	STEARIC	1.0 - 4.0	2.9
C18:1	OLEIC	40.0 – 50.0	44.0
C18:2	LINOLEIC	30.0 – 40.0	37.2
C18:3	LINOLENIC	<2.0	0.9
C20:0	ARACHIDIC	<1.0	0.2