

# CERTIFICATE OF ANALYSIS

Product Description	Batch	Re-Test Date	Customer Reference
BLACKCURRANT SEED OIL	10199	12/2024	

PARAMETERS	SPECIFICATION	RESULTS
<b>Colour and Appearance:</b>	Yellow to light yellow liquid	Comparable to standard
<b>Odour:</b>	Bland	Satisfactory
<b>Acid Value mg KOH/g oil:</b>	<10.0	0.40
<b>Peroxide Value meq O<sub>2</sub>/kg oil:</b>	<20.0	1.50
<b>Iodine Value:</b>	173 - 182	176.1
<b>Saponification Value</b>	185 - 195	191.0
<b>Refractive Index @ 20°C:</b>	1.475 - 1.484	1.4798
<b>Specific Gravity @ 20°C:</b>	0.915 - 0.930	0.926
<b>FATTY ACID PROFILE:</b>	(Chromatogram)	%
<b>Palmitic C16</b>	6.0 - 14.0	6.20
<b>Stearic C18</b>	1.0 - 4.0	1.50
<b>Oleic C18:1</b>	8.0 - 16.0	12.50
<b>Linoleic C18:2</b>	40.0 - 58.0	45.80
<b>Gamma Linolenic C18:3</b>	10.0 - 18.0	15.40
<b>Alpha Linolenic C18:3</b>	5.0 - 14.0	13.70

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