

## CERTIFICATE OF ANALYSIS

Product Description	Batch	Re-Test Date	Customer Reference
BLACKCURRANT SEED OIL	8979	12/2023	

PARAMETERS	SPECIFICATION	RESULTS
<b>Colour and Appearance:</b>	Yellow/Golden	Comparable to standard
<b>Odour:</b>	Bland	Satisfactory
<b>Acid Value mg KOH/g oil:</b>	<10.0	0.46
<b>Peroxide Value meq O<sub>2</sub>/kg oil:</b>	<20.0	1.85
<b>Iodine Value:</b>	173 - 182	174.4
<b>Saponification Value</b>	185 - 195	186.8
<b>Flash Point:</b>	>100°C	Conforms
<b>Specific Gravity @ 20°C:</b>	0.915 - 0.930	0.921
<b>FATTY ACID PROFILE:</b>	(Chromatogram)	%
<b>Palmitic C16</b>	6.0 - 14.0	8.17
<b>Stearic C18</b>	1.0 - 4.0	2.02
<b>Oleic C18:1</b>	8.0 - 16.0	12.78
<b>Linoleic C18:2</b>	40.0 - 58.0	54.80
<b>Gamma Linolenic C18:3</b>	10.0 - 18.0	13.03
<b>Alpha Linolenic C18:3</b>	5.0 - 14.0	7.11

The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Users should conduct their own tests to determine the suitability of the product for their own specific use. Since the conditions of use are out of our control, Soapmakers shall not be held liable for any damage resulting from handling, application or processing of this material.

### DECLARATION

The original plant material has not in any way been genetically modified or derived from G.M.O's or produced using G.M. O's or their derivatives, and all reasonable steps have been take to avoid contamination from G.M.O's or their derivatives.

This product has not been tested on animals.