



EMU SPIRIT PTY LTD  
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## Certificate of Analysis

<b>Product:</b>	Emu Oil		
<b>Batch Number:</b>	ES011222 / 16594		
<b>Date of Manufacture:</b>	December 2022		
<b>Date of Expiry:</b>	December 2025		
<b>Quantity Tested:</b>	Sample amount		
<b>Test:</b>	<b>Specification:</b>	<b>Result:</b>	<b>Pass/Fail:</b>
Characteristics	A pale-yellow semi solid	Conforms	Pass
Identification A	A fatty odour and taste. Not rancid.	Conforms	Pass
Acid Value	1% Maximum as free fatty acid (oleic acid)	0.2%	Pass
Moisture	0.5% maximum	0.05%	Pass
Peroxide Value	NMT 10.0 meq./kg	5.1	Pass

<b>Fatty Acid Profile:</b>	<b>Specification:</b>	<b>Result:</b>	<b>Pass/Fail:</b>
Oleic acid (monounsatur)	NLT 38.0%	59.6%	Pass
Linoleic acid (Polyunsatur)	NLT 4.0%	11.0%	Pass
Linolenic acids (Alpha/Polyunsatur)	NLT 0.2%	1.5%	Pass

<b>Heavy Metals</b>	<b>Specification:</b>	<b>Result:</b>	<b>Pass/Fail:</b>
Lead	NMT 0.5ppm	0.01ppm	Pass
Arsenic (inorganic)	NMT 1.5ppm	0.025ppm	Pass

Cadmium	NMT 0.5ppm	0.01ppm	Pass
Total mercury	NMT 1.5ppm (if total mercury is NMT 0.2ppm, then methylmercury)	0.01ppm	Pass
Methylmercury	NMT 0.2ppm	0.01ppm	Pass

Microbiological Tests	Specification: TGO 100	Result:	Pass/Fail:
Total Aerobic Microbial Count:	≤ NMT 10,000 CFU/g	<10	Pass
Yeast & Mould	≤ NMT 100 CFU/g	<10	Pass
Bile tolerant Gram-Negative Bacteria	≤ NMT 100 CFU/g	<10	Pass
E. Coli	Absent in 10g	Absent	Pass
Salmonella	Absent in 1g	Absent	Pass
Staphylococcus Aureus	Absent in 1g	Absent	Pass

NMT – Not More Than, NLT = Not Less Than, 1ppm=1mg/kg



**Authorised by:**

**Debbie Matheson**

**Date:** 1 December 2022