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## Certificate of Analysis

Product: Cranberry Seed Oil, Virgin  
 Botanical name: *Vaccinium macrocarpon*  
 Batch number: CRO-20202  
 Country of Origin: Canada  
 Manufacture date: 06-DEC-2020  
 Best Before: 06-DEC-2023  
 Appearance: Free flowing yellowish, amber coloured oil  
 Odor: Characteristic aroma

Parameters	Specification	Results	Method
Density	0.9-0.95	Complies	
Peroxide value	<15 meq/kg	7.88	Titration (AOAC 965.33 AOCS AbS-49)
Free fatty acids	<2%	1.03%	Titration (AOAC 940.28)
<b>Microbiological Profile</b>			
Total Plate Count	< 1,000 cfu/g	<10 cfu/g	USP/MF 2021
Yeast	< 1000 cfu/g	<10 cfu/g	USP/NF 2021
Mold	< 1,000 cfu/g	<10 cfu/g	USP/NF 2021
E. Coli by MPN	Absent/ 25g	Absent	USP/NF 2022
<b>Phytochemical Parameters %</b>			
C18:1 Oleic acid	15-25	19.50	Gas chromatography Chromatographie gazeuse
C18:2 Linoleic acid	30-40	35.70	Gas chromatography Chromatographie gazeuse
C18:3 Linolenic acid	25-35	32.80	Gas chromatography Chromatographie gazeuse

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