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Certificate of Analysis

Product: Cranberry Seed Oil, Virgin
 Botanical name: *Vaccinium macrocarpon*
 Batch number: 18-310
 Country of Origin: Canada
 Date of MFG: 06-NOV-2018
 Expiration date: 06-NOV-2021
 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	7.97	Titration (AOAC 965.33 AOCS AbS-49)
Free fatty acids	<2%	0.49%	Titration (AOAC 940.28)
Microbiological Profile			
Total Plate Count	< 1,000 cfu/g	<10 cfu/g	USP 2021
Yeast	< 1000 cfu/g	<10 cfu/g	USP 34
Mold	< 1,000 cfu/g	<10 cfu/g	USP 34
E. Coli by MPN	Absent 10gr	Absent 10gr	USP 2022
Phytochemical Parameters %			
C18:1 Oleic acid	15-25	20.20	Gas chromatography Chromatographie gazeuse
C18:2 Linoleic acid	30-40	35.40	Gas chromatography Chromatographie gazeuse
C18:3 Linolenic acid	25-35	28.90	Gas chromatography Chromatographie gazeuse

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