



SUPPLEMENT CERTIFIED
BY NRCI WATERFORD IRELAND

Certificate of Analysis

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Certificate number: CoA-21-00-58

Requested by: CTV National News
9 Channel Nine Court
M1S4B5 Scarborough, Ontario (Canada)

Date received: 2021-05-12
Data analysed: 2021-05-14
Data reported: 2021-06-04

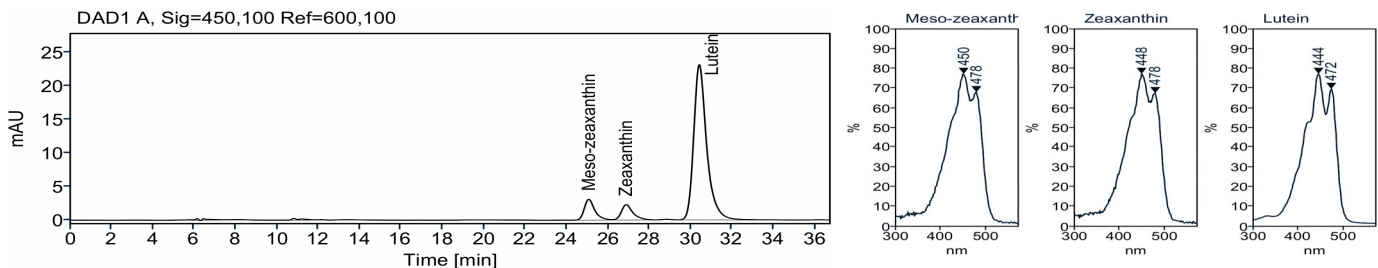
Product name: Macula Essentials AREDS 2 Plus
Company: ProMed Eye Health, Abbotsford, BC (Canada)
Lot number: ME0720

Expiry date: 2023/07
Serving size: 1/Day
Formulation: Softgel

Analyte	Declared mg/capsule	Measured mg/capsule $\pm U_{95\%}$	Homogeneity (RSD)	Confidence (%)	Method	Conformance
Meso-zeaxanthin	Non disclosed	1.09 \pm 0.07	3.31	n/a	AM-LCD-1807	n/a
Zeaxanthin	Non disclosed	0.93 \pm 0.05	2.94	n/a	AM-LCD-1807	n/a
Total zeaxanthin	1	2.02	n/a	n/a	AM-LCD-1807	Pass
Lutein	10	8.27 \pm 0.5	3.06	100.0	AM-LCD-1807	Fail
Total carotenoids	11	10.29	-	-	-	Fail

The reported expanded measurement uncertainty ($U_{95\%}$) is stated as the combined standard measurement uncertainty multiplied by the coverage factor $k = 1.96$ such that the coverage probability corresponds to approximately 95%.

Quality control	Specification	Raw value	Value	Method	Result
Instrument accuracy	85 - 115 %	19.08 (Spect.), 20.88 (LC) mg/cap	91.41 %	AM-LCD-2004	Conform
Intra-day precision	RSD < 15 %	-	0.39 %	AM-LCD-2004	Conform
Storage temperature	-	25.13 \pm 0.12 °C	-	AM-THD-2010	-
Storage humidity	-	33.14 \pm 1.76 %	-	AM-THD-2010	-



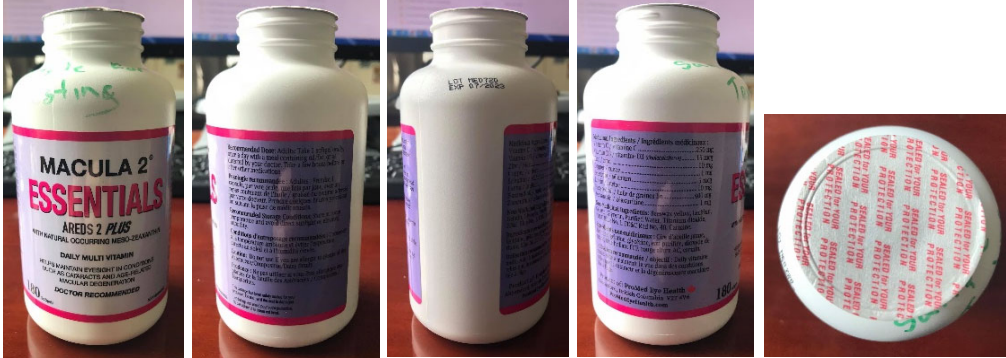
History	2021-05-14
Analyte/Report ID	CoA-21-00-58
Meso-zeaxanthin	1.09 \pm 0.07
Zeaxanthin	0.93 \pm 0.05
Total zeaxanthin	2.02
Lutein	8.27 \pm 0.5
Total carotenoids	10.29



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Comments



- This product contains undeclared meso-zeaxanthin
- Taking into account only zeaxanthin, as declared, this product fails to comply with label claim based on Supplement Certified criteria.
- This product fails to comply with label claim based on Supplement Certified criteria for lutein.
- This product complies with the Quality of Natural Health Products Guide by the Natural and Non-prescription Health Products Directorate (NNHPD), Health Canada (May 1st, 2015).

Conclusion: This product fails Supplement Certified analysis criteria for label claim.



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Disclaimers and Terms: The testing results in this certificate relate only to the samples described above. Unless otherwise stated, all results are expressed on an as received basis. This report shall not be altered, modified, supplemented or abstracted in any manner. Any violation of these conditions renders the report and its results void.

Supplement Certified, performed by the Nutrition Research Centre Ireland, means that the supplement product analysed has undergone independent 3rd party analysis to confirm that each active ingredient (carotenoid and/or omega-3 fatty acid) present in the dietary supplement matches 100% of quantity label claim, including expanded uncertainty of 95% (U95%). Also, homogeneity of each measurand should have a relative standard deviation (RSD) below 10%.

This research was conducted at the NRCI following a request by CTV news Canada. This work was performed as part of a research study and not a paid service. The products tested were provided by CTV news Canada. No member of the NRCI received any payment for conducting this work. The NRCI does not permit the use of its name, logos or branding to any third party without pre-written agreement.

Analysis performed by: Tommy Power


Tommy Power (Jun 4, 2021 23:06 GMT+1)

Approved by: Dr Alfonso Prado-Cabrero


Alfonso Prado-Cabrero (Jun 4, 2021 23:04 GMT+1)



CoA-21-00-58 Macula 2 Essentials ME0720 LC Softgel

Final Audit Report

2021-06-04

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"CoA-21-00-58 Macula 2 Essentials ME0720 LC Softgel" History

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