



SUPPLEMENT CERTIFIED
BY NRCI WATERFORD IRELAND

Certificate of Analysis

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Certificate number: CoA-21-00-90

Requested by: MacuHealth LP™
401 S Old Woodward Ave., Suite 308
Birmingham, MI 48009 (US)

Storage temp: 25.11 ± 0.26
Storage hum: 49.15 ± 5.87
Date analysed: 2021/08/06
Date reported: 2021/08/23

Date received: 2020/12/07

Product name: MacuHealth Plus+ with Micro-Micelle Technology
Lot number: C2002284
Distributor: MacuHealth LP™, Birmingham, MI (US)

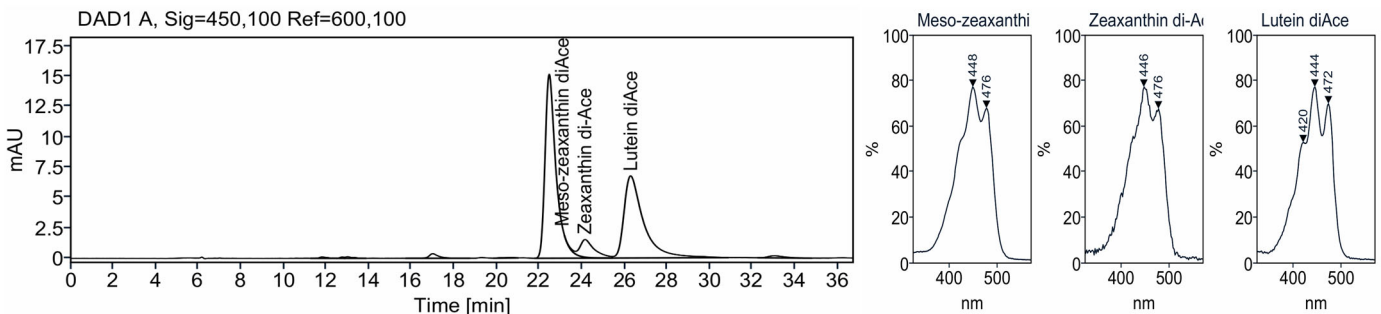
Expiry date: 2023/11
Serving size: 4/Day
Formulation: Soft gel

Analyte	Declared mg/capsule	Measured* mg/capsule ± U _{95%}	Heterogeneity (RSD, %)	Confidence (%)	Method	Conformance
Meso-zeaxanthin diAce	2.5	4.25 ± 0.17	2.09	100	AM-HPLC-1807v2	Pass
Zeaxanthin diAce	0.5	0.76 ± 0.01	0.48	100	AM-HPLC-1807v2	Pass
Lutein diAce	2.5	3.65 ± 0.15	2.06	100	AM-HPLC-1807v2	Pass
Total carotenoids	5.5	8.66	-	-	AM-HPLC-1807v2	Pass

* The reported expanded measurement uncertainty (U95%) 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% (ILAC Guidelines for Measurement Uncertainty in Testing, ILAC-G17:01/2021).

Quality Control	Specifications#	Raw value	Value	Method	Result
Within-run Accuracy	85 - 115 %	HPLC: 33.2 ± 24.1; Spec: 34.9 ± 25.7	94.00%	AM-HPLC-1807v2	Conform
Within-run Precision	RSD < 15 %	-	1.50%	AM-HPLC-1807v2	Conform

As defined by the Guideline On Bioanalytical Method Validation (EMA, European Medicines Agency) (EMA/CHMP/EWP/192217/2009 Rev. 1 Corr. 2**), authored by the Committee for Medicinal Products for Human Use (CHMP) 21 July 2011. LQC, MQC and HQC: Low, Medium and High Quality Control sample.

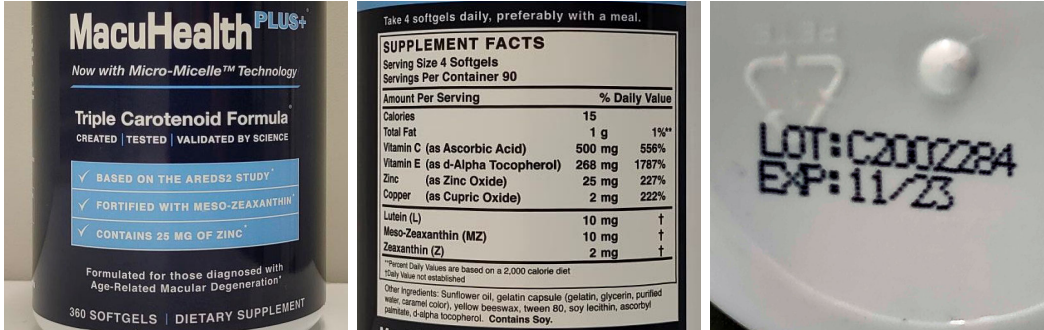


History	2021/08/06
Analyte/Report ID	CoA-21-00-90
Meso-zeaxanthin diAce	4.25 ± 0.17
Zeaxanthin diAce	0.76 ± 0.01
Lutein diAce	3.65 ± 0.15
Total carotenoids	8.66



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Product pictures



Comments

- This product complies with label claim and heterogeneity based on Supplement Certified criteria for Meso-zeaxanthin
- This product complies with label claim and heterogeneity based on Supplement Certified criteria for Zeaxanthin
- This product complies with label claim and heterogeneity based on Supplement Certified criteria for Lutein

Conclusion: This product complies with Supplement Certified analysis criteria for label claim



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Supplement Certified criteria: 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, excluding expanded uncertainty of 95% (U95%). Also, heterogeneity of each measurand must be below 10% (relative standard deviation, RSD).

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.

Analysis performed by: Tommy Power


Tommy Power (Aug 23, 2021 13:58 GMT+1)

Approved by: Dr Alfonso Prado-Cabrero


Alfonso Prado-Cabrero (Aug 23, 2021 13:56 GMT+1)







CoA-21-00-90 MacuHealth Plus+ with Micro-Micelle C2002284

Final Audit Report

2021-08-23

Created:	2021-08-23
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"CoA-21-00-90 MacuHealth Plus+ with Micro-Micelle C2002284" History

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