

Certificate of Analysis

Report Issued to: MacuHealth LLC™(USA)

Product name: Memory health

Lot number: C1801593 (box 2)

Expiry date: Jul/21 (27 months to expiry)

Date received: 2019.03.19

Analysis ID: 190026

Analyte	Declared (mg/capsule)	Measured (mg/capsule ± U _{95%}) ^a	% Achieved (95% confidence)	Result ^b
EPA	50	85.48 ± 3.18	171 (165 - 177)	Exceeds
DHA	167	279.65 ± 10.50	168 (161 - 174)	Exceeds

^(a) U_{95%} = 1.96 Standard Deviation. NIST 1297 (1993)

^(b) % Achieved (95% confidence) is equal (pass), below (fail) or above (excess) to 100%

Quality Control	Specification ^c	Value	Result
Precision ^d	RSD ^d < 15%	1.15 %	Conform

^(c) European Medicines Agency (EMA). Guideline on Bioanalytical Method Validation (2011)

^(d) Within-run variability (RSD) of lutein peak area in control sample

Method:

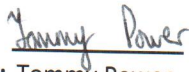
Technique: GC-FID, Column Thermo 260M142P (30 m x 0.25 mm x 0.25 µm)
 Reference: Modified from Benner et al., Anal Bioanal Chem, 410, 9, 2321-2329 (2016)
 Conditions: Carrier gas nitrogen, injection volume 1 µl, split ratio 2:1
 Capsules analyzed: 3

Report Summary

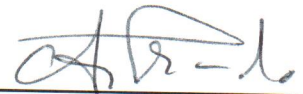
The two analytes exceed the declared amount.

2019.06.18

Analysis Date



Analyzed By: Tommy Power



Authorized By: Alfonso Prado-Cabrero, PhD

This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented or abstracted in any manner. Any violation of these conditions renders the report and its results void.