



Certificate of Analysis

 Product Name:
 Astaxanthin

 Cat. No.:
 CS-0020413

 CAS No.:
 472-61-7

 Batch No.:
 36858

Chemical Name: β,β-Carotene-4,4'-dione, 3,3'-dihydroxy-, (3S,3'S)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{40}H_{52}O_4$ Molecular Weight: 596.84

Storage: -20°C, protect from light, stored under nitrogen

Chemical Structure:

HO

ANALYTICAL DATA

Appearance: Dark purple to black (Solid)

¹ H NMR Spectrum: Consistent with structure

MS: Consistent with structure

Purity (NMR): ≥98.0%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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