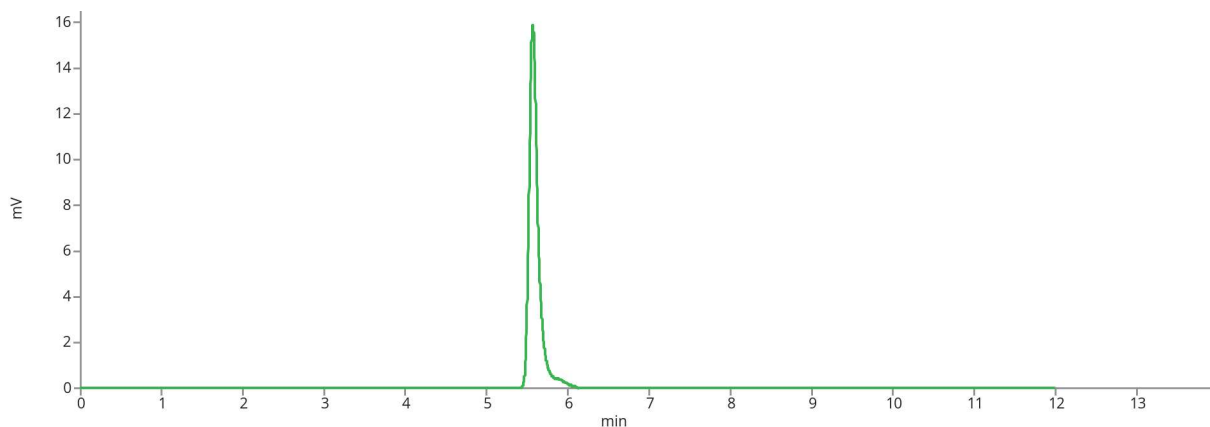


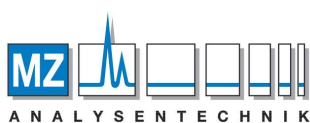


Astaxanthin

Astaxanthin is a lipid soluble pigment with a proven antioxidative properties. It is used as a nutritional supplement for human, in cosmetics and as a feed additive to impart coloration for salmon, crabs, shrimp and other aquatic organisms. A major source for the biotechnological production of astaxanthin is the green microalgae. The astaxanthin measurement is needed during the algae cultivation process as well as at astaxanthin extraction stage. A precise chromatographic method has been developed for astaxanthin quantification.



Test solution on ASTRA® C18-HE column

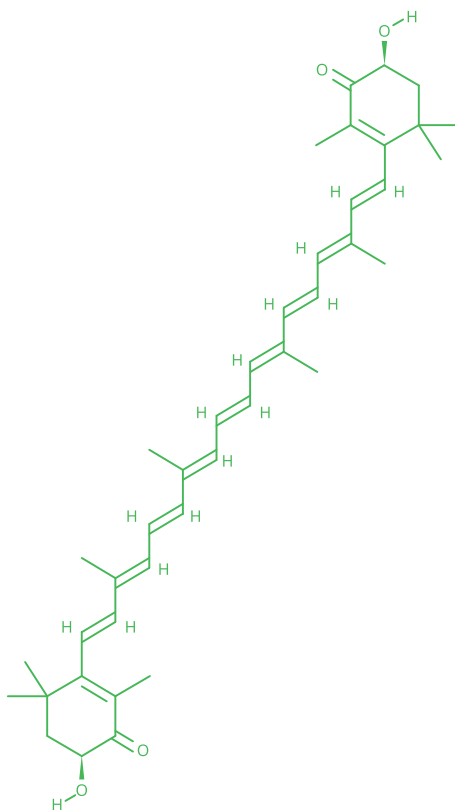


AUTHORIZED DISTRIBUTOR

MZ-Analysentechnik GmbH, Barcelona-Allee 17 • D-55129 Mainz
Tel +49 6131 880 96-0, Fax +49 6131 880 96-20
e-mail: info@mz-at.de, www.mz-at.de

Astaxanthin

Column	ASTRA® C18-HE, 3 µm
Dimensions	150 mm × 4.6 mm
Part number	AST-5732-IK46
Mobile phase	ACN : MeOH 80/20 (v/v) Isocratic elution
Flow rate	1.0 mL/min
Temperature	23 °C
Detection	UV @474 nm
Injection volume	5 µL
Analytes	1. Astaxanthin , CAS number 472-61-7



Astaxanthin