



INDOFINE Chemical Company, Inc.

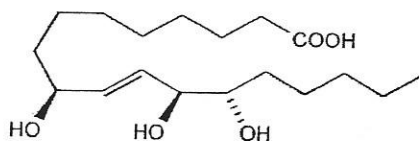
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

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9(S),12(S),13(S)-Trihydroxy-10(E)-octadecenoic acid



Amount: 100 µg

Solvent: 95% ethanol

Volume: 0.5 mL

Cat. no.: 14-1802-14

Lot No.: LX-247

Identity

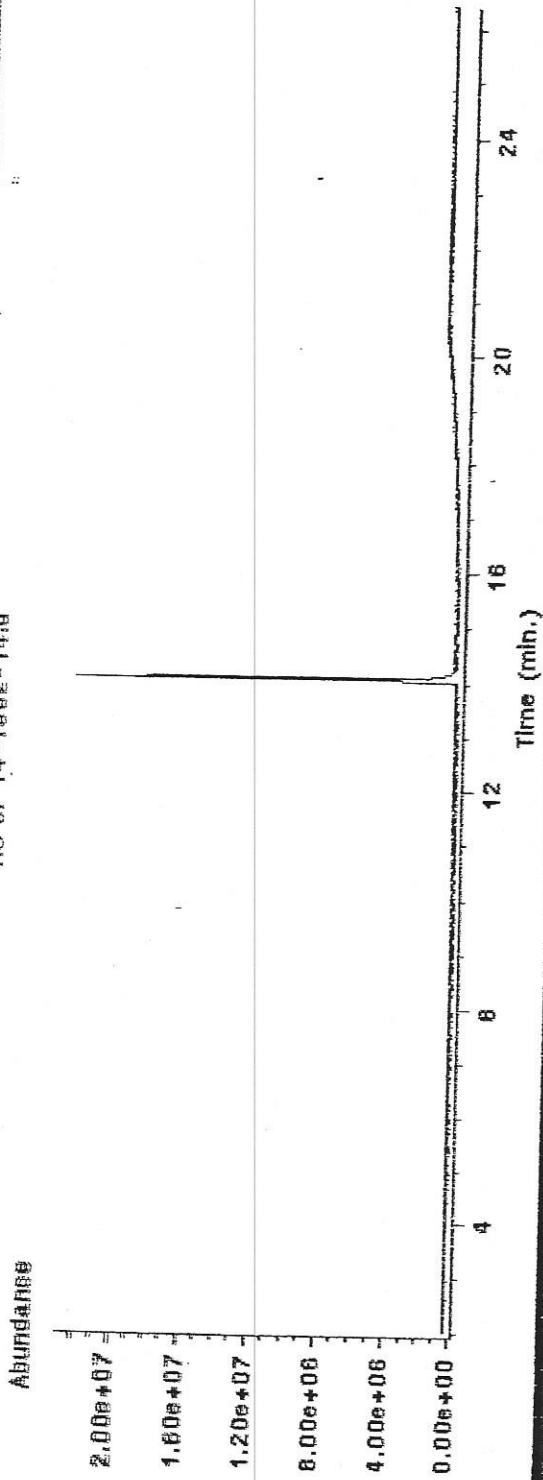
The identity of the material is based on its mode of preparation, on the mass spectrum (attached), and on the C-value (C-22.40) recorded on the methyl ester/trimethylsilyl ether derivative using a methylsilicone capillary column.

Purity

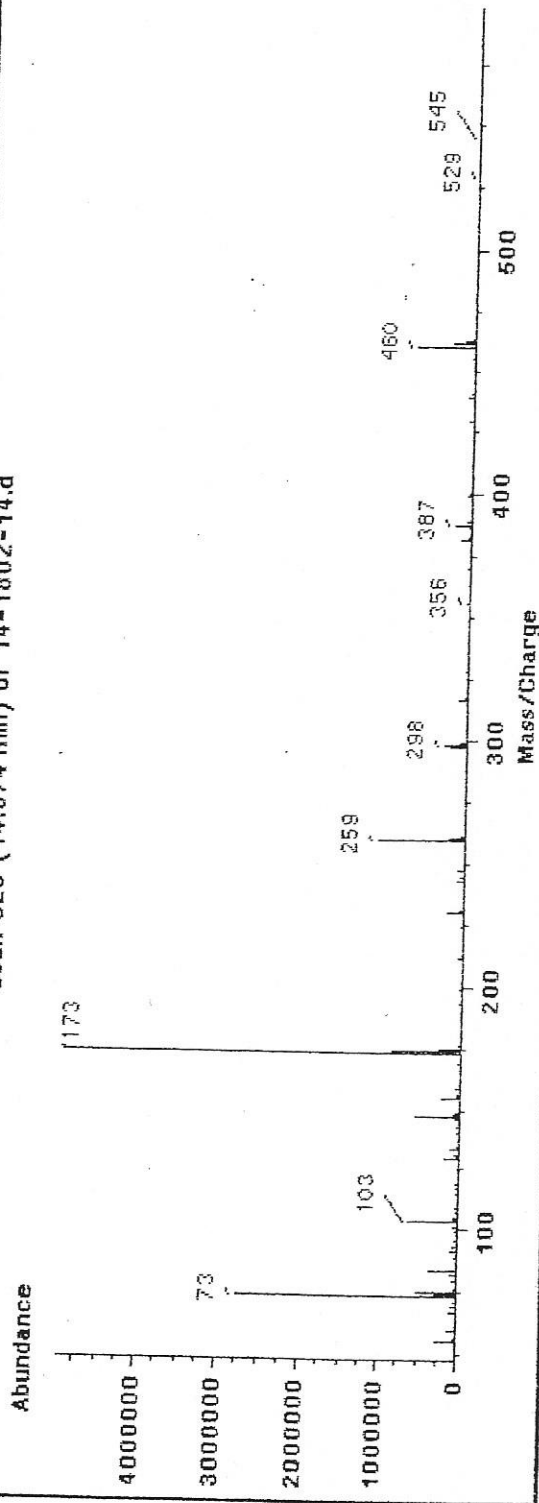
>98%. The purity was determined by GC-MS analysis of the methyl ester/trimethylsilyl ether derivative. Column: 5% phenylmethylsiloxane (12 m, 0.33 µm film thickness).

Carrier gas: helium. Column temperature: 120°C, raised at 10°C/min until 320°C.

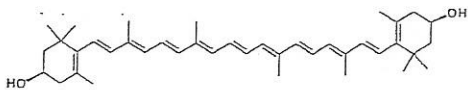
T10 of 14-1802-14.d



Scan 925 (14.074 min) of 14-1802-14.d



**INDOFINE Chemical Company, Inc.**121 Stryker Lane, Bldg. 30
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Phone: (908) 359-6778; Fax: (908) 359-1179**Certificate Of Analysis****020307S****ZEAXANTHIN****Lot No.: 14103137****IDENTIFICATION**

CAS number	[144-68-3]	
Chemical family	Carotenoids	
Molecular formula	C ₄₀ H ₅₆ O ₂	
Molecular weight	568.89	

ANALYSIS

TEST	SPECIFICATION <i>(December 2010, version 04)</i>	RESULT
Appearance	Powder	Conform
Melting point	203-207°C	204-205°C
TLC	Silicagel Heptane / acetone (60/40, V/V) Visible	Main spot
UV/Visible spectrum λ max (± 2 nm)	423sh, 449, 477 nm in methanol + 0.5% methylene chloride	Conform
E1%	2600 ± 80 at 449 nm 2300 ± 80 at 477 nm	2670 2380
Assay (UV)*	≥98%	Conform
Date of last QC-recheck	October 2014	
Date of retest	October 2015	

*Despite the specific and intensive care taken with these products, they are very fragile. We recommend that you confirm product purity by measuring the E1%
The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.

STORAGEStore at <-15°C
Store away from light
HYGHLY UNSTABLE