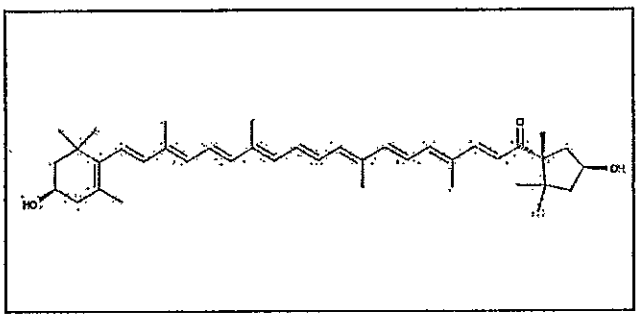
INDOFINE Chemical Company, Inc.
121 Stryker Lane, Bldg. 30
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis

020312S CAPSANTHIN Lot No.: 26120115

CAS RN	465-42-9
MOL FORMULA	$C_{40}H_{56}O_3$
MOL WEIGHT	584,89



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Powder	Conform
Melting point		°C	176-179	178-179
Potency*	UV	nm	476	Conform
	in ethanol			
	E1%		1940 +/- 80 at 476 nm	1880
Purity	HPLC	% area	≥ 95,0	96,4

*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%

CHROMATOGRAPHIC PURITY / HPLC

Column : YMC-Carotenoid 250 x 4,6 mm - 5 µm

Mobile phase : 15/4/81 from to 90/4/6 gradient in 90 min

A:TMBE B:Water C:MeOH

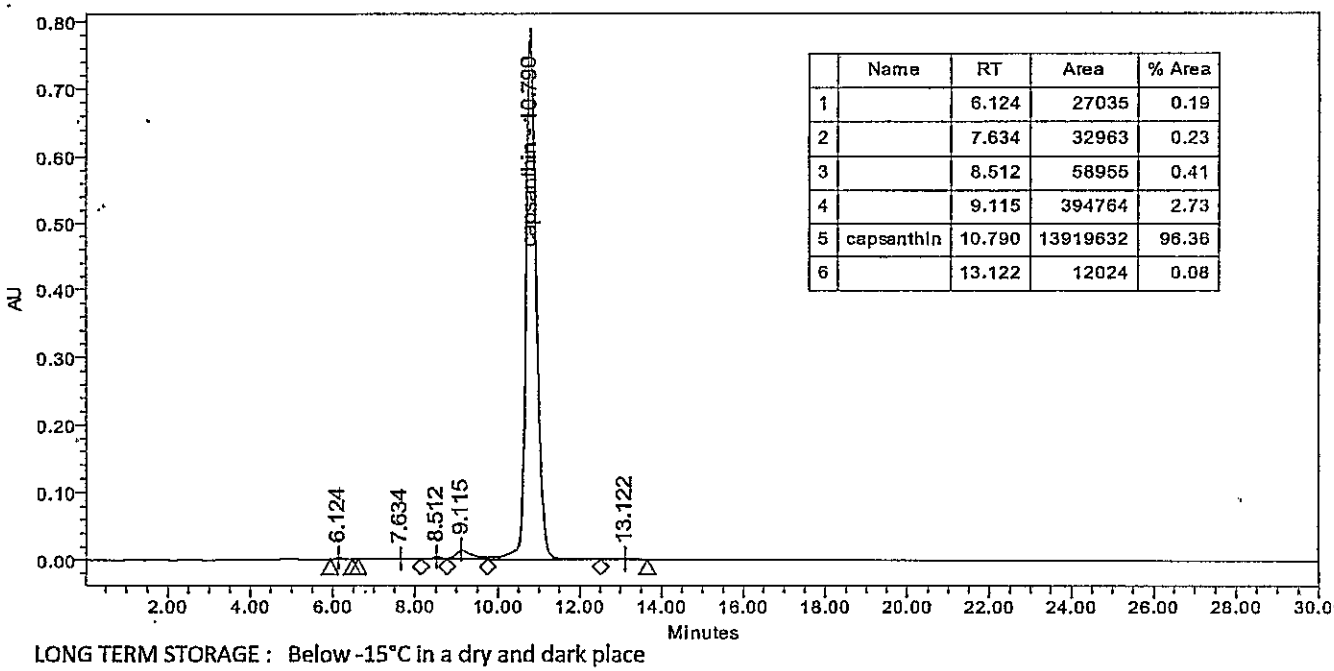
Flow rate 1 ml/min

Temperature 30°C

Injection volume 5 µl

Detection : UV 475 nm

Injection solvent Ethanol



	Name	RT	Area	% Area
1		6.124	27035	0.19
2		7.634	32963	0.23
3		8.512	58955	0.41
4		9.115	394764	2.73
5	capsanthin	10.790	13919632	96.36
6		13.122	12024	0.08

LONG TERM STORAGE : Below -15°C in a dry and dark place