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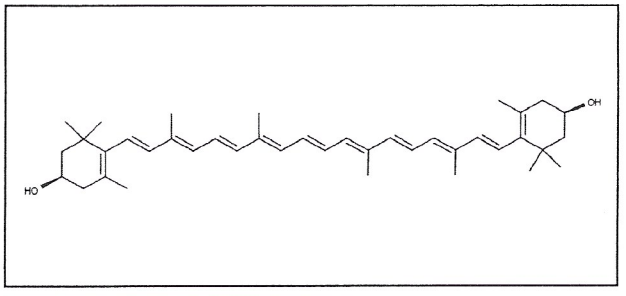
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis

020307S **ZEAXANTHIN** **Lot No.: 21112550**

CAS RN	144-68-3
MOL FORMULA	$C_{40}H_{56}O_2$
MOL WEIGHT	568,89



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Powder	Conform
Melting point		°C	203-207	203
Potency*	UV	nm	423sh, 449, 477	Conform
	in methanol + 0,5%DCM			
	E1%		2600 +/- 80 at 449 nm	2610
			2300 +/- 80 at 477 nm	2330
Purity	HPLC	% area	≥ 95,0	98,6

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 : 15/80/5 isocratic 3 min then 25/70/5 gradient in 17 min then 85/10/5 in 10 min

A:TMBE B:MeOH C:ACN

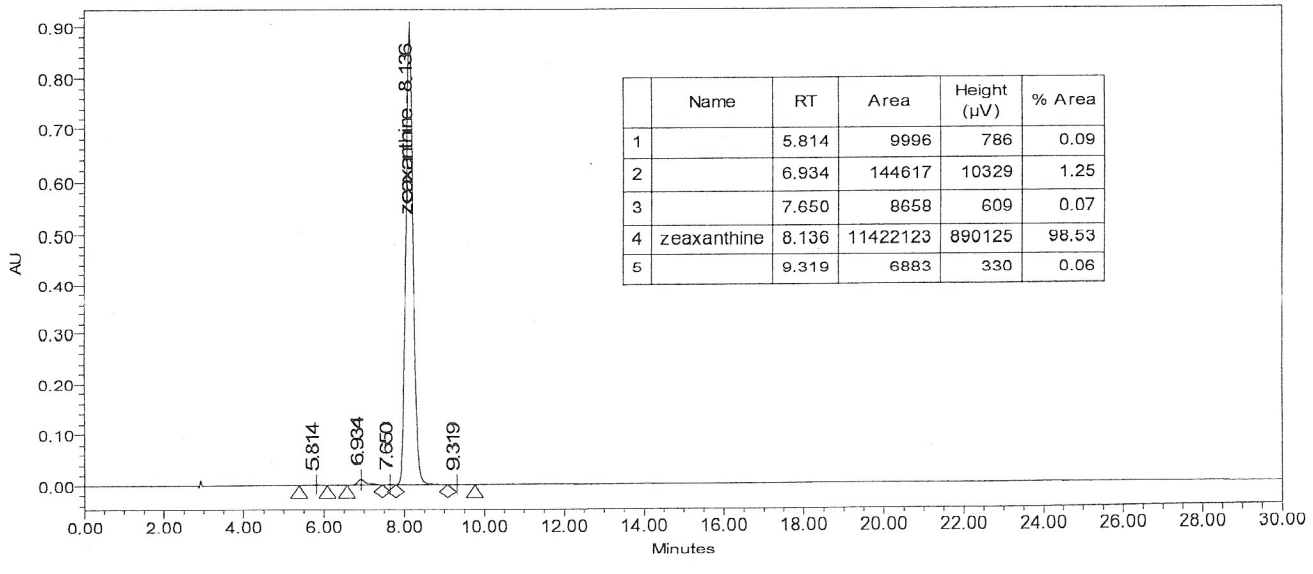
Flow rate 1 ml/min

Temperature 30°C

Injection volume 5 µl

Detection : UV 450 nm

Injection solvent 5 DCM / 15 Methanol



	Name	RT	Area	Height (µV)	% Area
1		5.814	9996	786	0.09
2		6.934	144617	10329	1.25
3		7.650	8658	609	0.07
4	zeaxanthine	8.136	11422123	890125	98.53
5		9.319	6883	330	0.06

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

TRANSPORT CONDITIONS : In a styrofoam box