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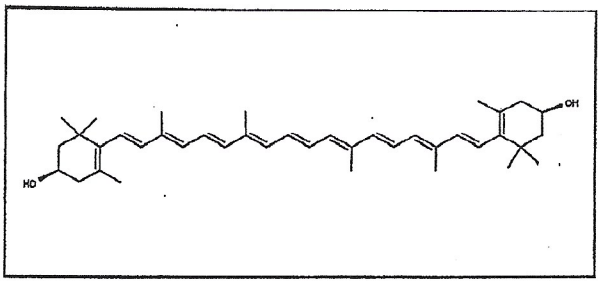
Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis

020307S **ZEAXANTHIN** **Lot No.: 21062151**

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	203-204
Potency*	UV	nm	423sh, 449, 477	Conform
	in methanol + 0,5%DCM			
	E1%		2600 +/- 80 at 449 nm	2660
			2300 +/- 80 at 477 nm	2370
Purity	HPLC	% area	≥ 95,0	97,9

We recommend that you confirm product purity by measuring the E1%

CHROMATOGRAPHIC PURITY / HPLC

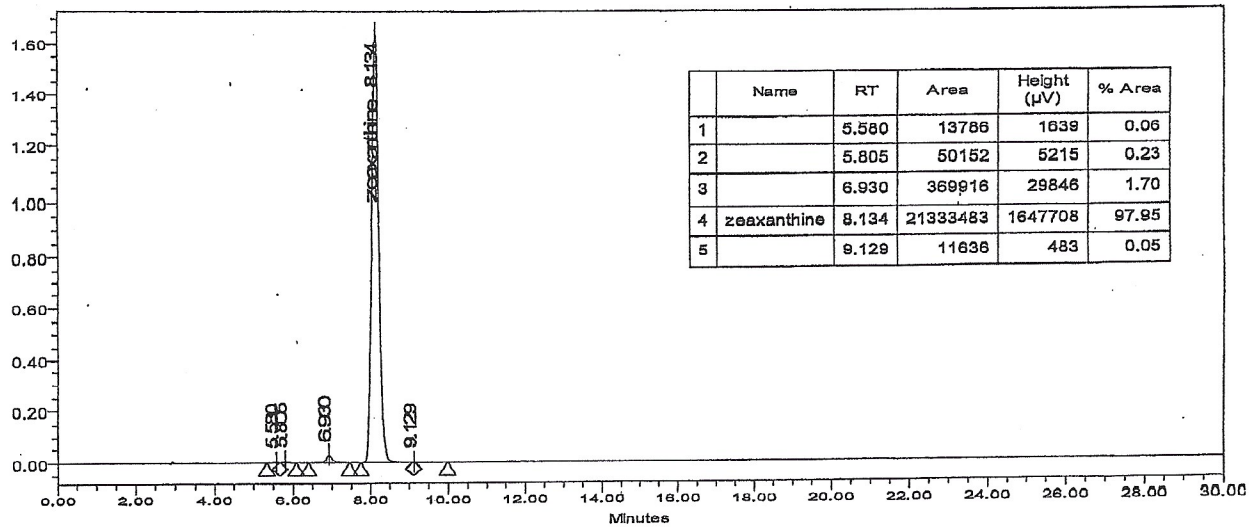
Column : YMC-Carotenoid 250 x 4,6 mm - 5 µm

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		5.580	13786	1639	0.06
2		5.805	50152	5215	0.23
3		6.930	369916	29846	1.70
4	zeaxanthine	8.134	21333483	1647708	97.95
5		9.129	11636	483	0.05

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