



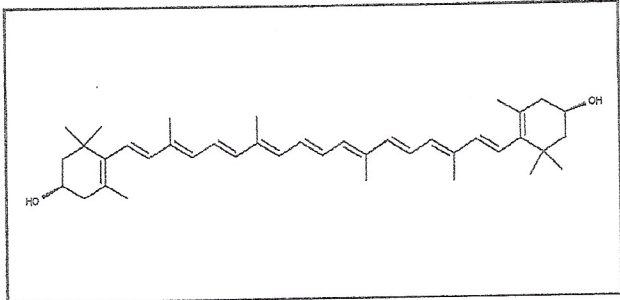
# INDOFINE Chemical Company, Inc.

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

## Certificate Of Analysis

**020307S**                      **ZEAXANTHIN**                      **Lot No.: 24021255**

CAS RN	144-68-3
MOL FORMULA	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>
MOL WEIGHT	568,89



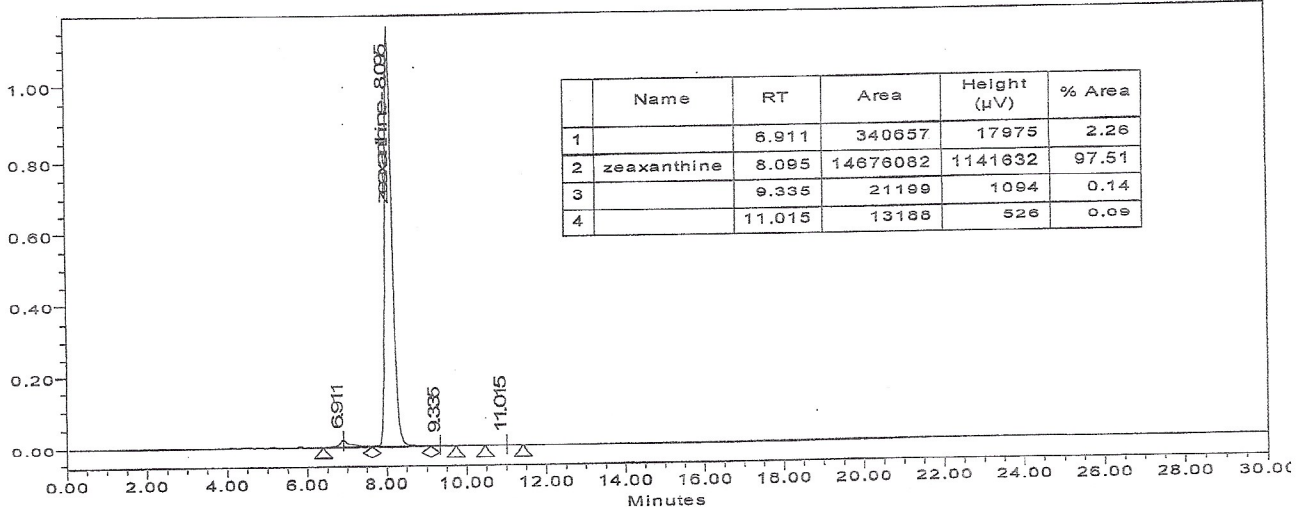
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Powder	Conform
Melting point		°C	203-207	204-205
Potency*	UV in methanol + 0,5%DCM	nm	423sh, 449, 477	Conform
	E1%		2600 +/- 80 at 449 nm	2600
			2300 +/- 80 at 477 nm	2320
Purity	HPLC	% area	≥ 95,0	97,5

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  
 Temperature : 30°C  
 Detection : UV 450 nm

Flow rate 1 ml/min  
 Injection volume 5 µl  
 Injection solvent 5 DCM / 15 Methanol



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