



INDOFINE Chemical Company, Inc.

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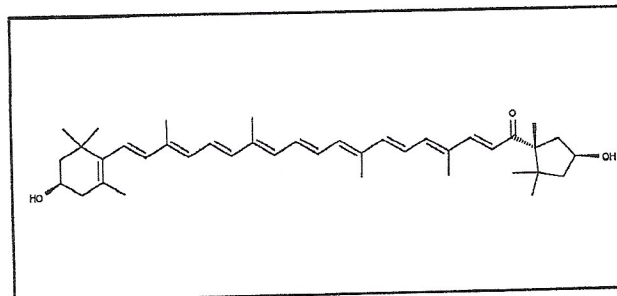
Certificate Of Analysis

020312S

CAPSANTHIN

Lot No.: 22051114

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	176-178
Potency*	UV	nm	476	Conform
	in ethanol			
	E1%		1940 +/- 80 at 476 nm	2020
Purity	HPLC	% area	≥ 95,0	95,5

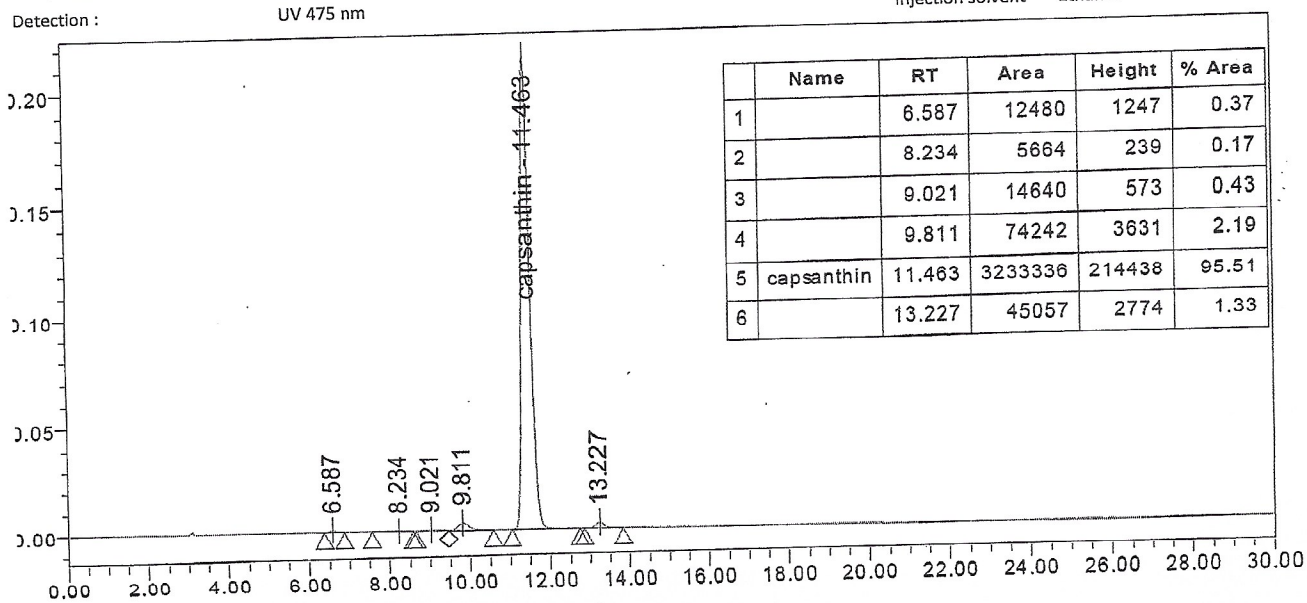
*Despite the specific and intensive care taken with these products, they are very fragile.

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
Temperature 30°C
Detection : UV 475 nm

Flow rate 1 ml/min
Injection volume 5 µl
Injection solvent Ethanol



	Name	RT	Area	Height	% Area
1		6.587	12480	1247	0.37
2		8.234	5664	239	0.17
3		9.021	14640	573	0.43
4		9.811	74242	3631	2.19
5	capsanthin	11.463	3233336	214438	95.51
6		13.227	45057	2774	1.33

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