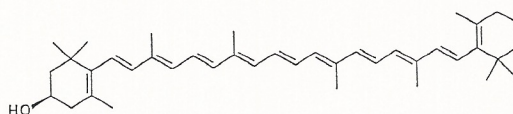


**INDOFINE Chemical Company, Inc.**

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

Certificate Of Analysis**020317S****β-CRYPTOXANTHIN****BATCH: 44****IDENTIFICATION**

CAS number [472-70-8]
Chemical family Carotenoids
Molecular formula C₄₀H₅₆O
Molecular weight 552.89

**ANALYSIS**

TEST	SPECIFICATION <i>(November 2012, version 03)</i>	RESULT
Appearance	Powder	Conform
Melting point	159-165°C	165°C
TLC	Silicagel Heptane / acetone (75/25, V/V) Visible	Main spot
UV/Visible spectrum λ max (± 2 nm)	427sh, 451, 479 nm in heptane + 0.5% methylene chloride	Conform
E1%	2490 ± 100 at 451 nm 2200 ± 100 at 479 nm	2480 2190
Assay (UV)*	≥97%	Conform
Date of last QC-recheck	November 2012	
Date of retest	November 2013	

*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%

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.

STORAGE

Store at <-15°C
Store away from light
HYGHLY UNSTABLE