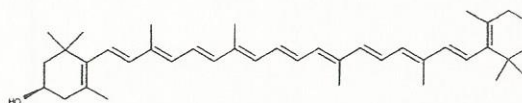


**INDOFINE Chemical Company, Inc.**

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

Certificate Of Analysis**020317S** **β -CRYPTOXANTHIN****Lot No.: 18070262****IDENTIFICATION**

CAS number [472-70-8]
Molecular formula $C_{40}H_{56}O$
Molecular weight 552.89

**ANALYSIS**

TEST	SPECIFICATION <i>(June 2016, version 10)</i>	RESULT
Appearance	Powder	Conform
Melting point	159-165°C	163-164°C
TLC	Silicagel Heptane / acetone (75/25, V/V) Visible	Main spot
UV/Visible spectrum λ max (\pm 2 nm)	427sh, 451, 479 nm in heptane + 0.5% methylene chloride	Conform
E1%	2510 \pm 100 at 451 nm 2220 \pm 100 at 479 nm	2550 2250
Assay (UV)*	\geq 97%	Conform

*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 $<-15^{\circ}C$
Store away from light
HYGHLY UNSTABLE

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP