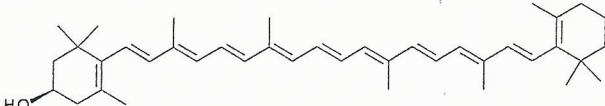


**INDOFINE Chemical Company, Inc.**

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Certificate Of Analysis**020317S****β-CRYPTOXANTHIN****Lot No.: 14062547****IDENTIFICATION**

CAS number	[472-70-8]	
Chemical family	Carotenoids	
Molecular formula	C ₄₀ H ₅₆ O	
Molecular weight	552.89	

ANALYSIS

TEST	SPECIFICATION <i>(November 2012, version 03)</i>	RESULT
Appearance	Powder	Conform
Melting point	159-165°C	164-165°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	2550 2250
Assay (UV)*	≥97%	Conform
Date of last QC-recheck	May 2014	
Date of retest	May 2015	

*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