

**INDOFINE Chemical Company, Inc.**

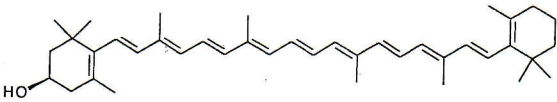
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Certificate Of Analysis**020317S** **β -CRYPTOXANTHIN****BATCH: 42****IDENTIFICATION**

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

ANALYSIS

TEST	SPECIFICATION <i>(December 2010, version 02)</i>	RESULT
Appearance	Powder	Conform
Melting point	158-164°C	162-163°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%	2490 \pm 100 at 451 nm 2200 \pm 100 at 479 nm	2530 2230
Assay (UV)*	\geq 97%	Conform
Date of last QC-recheck	January 2012	
Date of retest	January 2013	



The chemical structure shows a long polyene chain with a hydroxyl group on the left ring and a cyclohexene ring on the right.

*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