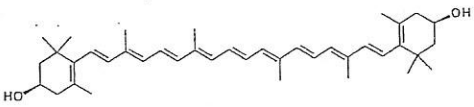


**INDOFINE Chemical Company, Inc.**

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Certificate Of Analysis**020307S****ZEAXANTHIN****Lot No.: 14103137****IDENTIFICATION**

CAS number	[144-68-3]	
Chemical family	Carotenoids	
Molecular formula	C ₄₀ H ₅₆ O ₂	
Molecular weight	568.89	

ANALYSIS

TEST	SPECIFICATION <i>(December 2010, version 04)</i>	RESULT
Appearance	Powder	Conform
Melting point	203-207°C	204-205°C
TLC	Silicagel Heptane / acetone (60/40, V/V) Visible	Main spot
UV/Visible spectrum λ max (± 2 nm)	423sh, 449, 477 nm in methanol + 0.5% methylene chloride	Conform
E1%	2600 \pm 80 at 449 nm 2300 \pm 80 at 477 nm	2670 2380
Assay (UV)*	$\geq 98\%$	Conform
Date of last QC-recheck	<i>October 2014</i>	
Date of retest	<i>October 2015</i>	

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