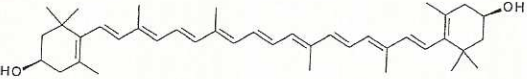


**INDOFINE Chemical Company, Inc.**

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**Certificate Of Analysis****020307S****ZEAXANTHIN****Lot No.: 13121636****IDENTIFICATION**

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

**ANALYSIS**

<b>TEST</b>	<b>SPECIFICATION</b> <i>(December 2010, version 04)</i>	<b>RESULT</b>
Appearance	Powder	Conform
Melting point	203-207°C	203-204°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 ± 80 at 449 nm 2300 ± 80 at 477 nm	2610 2335
Assay (UV)*	≥98%	Conform
Date of last QC-recheck	<i>December 2013</i>	
Date of retest	<i>December 2014</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°C  
Store away from light  
HYGHLY UNSTABLE