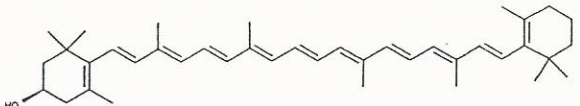


**INDOFINE Chemical Company, Inc.**

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**Certificate Of Analysis****020317S** **$\beta$ -CRYPTOXANTHIN****Lot No.: 16061454****IDENTIFICATION**

CAS number	[472-70-8]	
Molecular formula	C <sub>40</sub> H <sub>56</sub> O	
Molecular weight	552.89	

**ANALYSIS**

<b>TEST</b>	<b>SPECIFICATION</b> <i>(september 2015, version 04)</i>	<b>RESULT</b>
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 $\lambda$ 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	2610 2310
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°C  
Store away from light  
**HYGHLY UNSTABLE**