

INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30 Hillsborough, NJ 08844 USA Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis

020306S	LUTEIN	Lot No.: 17030960

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IDENTIFICATION		the state of the s
CAS number	[127-40-2]	
Synonym	Xanthophyll	X A A A A A A A A A A A A A A A A A A A
Molecular formula	$C_{40}H_{56}O_2$	но
Molecular weight	568.89	

ANALYSIS

TEST	SPECIFICATION (January 2017, version 10.1)	RESULT
Appearance	Powder	Conform
Melting point	174-181°C	178-180°C
TLC	Silicagel Heptane / acetone (60/40, V/V) Visible	Main spot
UV/Visible spectrum λ max (± 2 nm)	421, 444, 472 nm in methanol + 0.5% methylene chloride	Conform
E1%	2520 ± 100 at 444 nm 2320 ± 100 at 472 nm	2550 2350
Assay (UV)*	≥95%	Conform
Date of last QC-recheck Date of retest	March 2017 March 2018	

^{*}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