

**INDOFINE Chemical Company, Inc.**

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

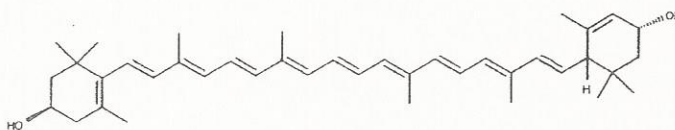
Certificate Of Analysis**020306S****LUTEIN****Lot No.: 18052964****IDENTIFICATION**

CAS number [127-40-2]

Synonym Xanthophyll

Molecular formula $C_{40}H_{56}O_2$

Molecular weight 568.89

**ANALYSIS**

TEST	SPECIFICATION <i>(January 2017, version 10.1)</i>	RESULT
Appearance	Powder	Conform
Melting point	174-181°C	178-179°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 \pm 100 at 444 nm 2320 \pm 100 at 472 nm	2580 2370
Assay (UV)*	$\geq 95\%$	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 : Below -20°C in a dry and dark place
Hyghly unstable