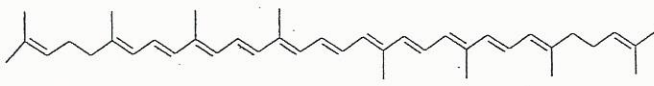


**INDOFINE Chemical Company, Inc.**

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Certificate Of Analysis**020305S****LYCOPENE****BATCH: 51****IDENTIFICATION**

CAS number	[502-65-8]	
Chemical family	Carotenoids	
Molecular formula	C ₄₀ H ₅₆	
Molecular weight	536.89	

ANALYSIS

TEST	SPECIFICATION <i>(December 2010, version 02)</i>	RESULT
Appearance	Powder	Conform
Melting point	166-170°C	168-169°C
TLC	Silicagel Heptane / Acetone (80/20, V/V) Visible	Main spot
UV/Visible spectrum λ max (\pm 2 nm)	444, 472, 503 nm in heptane + 0.5% methylene chloride	Conform
E1%	2260 \pm 70 at 444 nm 3470 \pm 100 at 472 nm 3170 \pm 100 at 503 nm	2320 3550 3220
Assay (UV)*	\geq 98%	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