

**INDOFINE Chemical Company, Inc.**

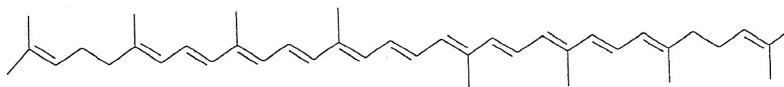
121 Stryker Lane, Bldg. 30
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Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis**020305S****LYCOPENE****BATCH: 50****IDENTIFICATION**

CAS number [502-65-8]

Chemical family Carotenoids

Molecular formula

C₄₀H₅₆

Molecular weight

536.89

ANALYSIS

| TEST | SPECIFICATION <i>(December 2010, version 02)</i> | RESULT |
|---------------------------------------|---|----------------------|
| Appearance | Powder | Conform |
| Melting point | 166-170°C | 169-170°C |
| TLC | Silicagel Heptane / Acetone (80/20, V/V) Visible | Main spot |
| UV/Visible spectrum λ max (± 2 nm) | 444, 472, 503 nm in heptane + 0.5% methylene chloride | Conform |
| E1% | 2260 ± 70 at 444 nm 3470 ± 100 at 472 nm 3170 ± 100 at 503 nm | 2270 3460 3150 |
| Assay (UV)* | ≥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
HYGHL Y UNSTABLE