



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • Fax: (908) 359-1179

Website: www.indofinechemical.com

E-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

CAT. No.: 020306S

| | |
|-----------------------------------|---|
| <u>Product Name:</u> | LUTEIN with TLC (Xanthophyll/carotene) |
| <u>CAS Number:</u> | [127-40-2] |
| <u>Lot Number:</u> | 10030241 |
| <u>Chemical Family:</u> | Carotenoids |
| <u>Chemical Formula:</u> | C ₄₀ H ₅₆ O ₂ |
| <u>Molecular Weight:</u> | 568.85 |
| <u>Melting Point:</u> | 179-181°C |
| <u>Appearance:</u> | Red-orange powder |
| <u>Absorption Maxima:</u> | 421,444,472.5 nm in methanol + 0.5% methylene chloride |
| <u>Thin Layer Chromatography:</u> | |
| Support: | Silicagel |
| Mobile Phase: | Heptane/Acetone (60/40:V/V) |
| Detection: | Visible |
| <u>Observation:</u> | Very light sensitive |
| <u>Purity (TLC):</u> | > 95% |
| <u>Storage:</u> | -20°C (keep away from light) |

