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CERTIFICATE OF ANALYSIS

Cat No.: 020306S

Product: **LUTEIN with TLC**
(Xanthophyll/carotene)

Cas Number: [127-40-2]

Lot Number: 12081647

Chemical Formula: $C_{40}H_{56}O_2$

Molecular Weight: 568.89

Melting Point: 174-181°C

Appearance: Red-orange powder

Thin Layer Chromatography: Support: Silicagel
Mobile Phase: Heptane/Acetone (60/40:V/V)
Detection: Visible

Visible Spectrum: 421,444,472 nm

λ_{max} (± 2 nm): in methanol +0.5% methylene chloride

Storage: -20°C (keep away from light)

Assay (UV): $\geq 95\%$

