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## CERTIFICATE OF ANALYSIS

**Cat No.: 020306S**

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

Cas Number: [127-40-2]

Lot Number: 10120642

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

Molecular Weight: 568.89

Melting Point: 177-180°C

Appearance: Red-orange powder

Absorption Maxima: 421,444,472 nm  
in methanol + 0.5% methylene chloride

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

Observation: Very light sensitive

Storage: -20°C (keep away from light)

Purity (TLC): > 95%

