INDOFINE CHEMICAL COMPANY, INC.
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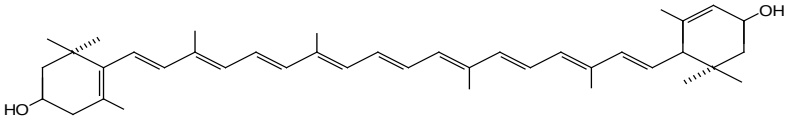
CERTIFICATE OF ANALYSIS

Cat No.: 020306S

Product:	**LUTEIN with TLC** (Xanthophyll/carotene)
Cas Number:	[127-40-2]
Lot Number:	12021044
Chemical Formula:	$C_{40}H_{56}O_2$
Molecular Weight:	568.89
Melting Point:	174-181°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
Visible Spectrum:	421,444,472 nm
λmax (±2 nm):	in methanol +0.5% methylene chloride
Storage:	-20°C (keep away from light)
Assay (UV):	≥95%