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CERTIFICATE OF ANALYSIS

Cat No.: 020317S

Product: **β -CRYPTOXANTHIN with TLC**

CAS Number: [472-70-8]

Lot Number: 11101340

Chemical Formula: C₄₀H₅₆O

Molecular Weight: 552.89

Melting Point: 158-164°C

Appearance: Red orange powder

Absorption maxima: 427 sh, 451, 479 nm in heptane +0.5% methylene chloride

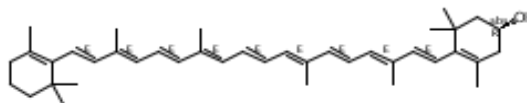
E_{1%}: 2490±100 at 451 nm
2200±100 at 479 nm

Thin Layer Chromatography: Support: Silicagel
Solvent: Heptane/Acetone. (75/25, V/V)
Detection: Visible

Storage: -20°C (keep away from light)

UV/Visible spectrum: 427sh, 451, 479 nm
 $\lambda_{\text{mas}}(\pm 2 \text{ nm})$: in heptane + 0.5% methylene chloride

Assay: ≥97%



Country of Origin USA