



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Titan Yellow

Synonym	: Thiazole Yellow G
Molecular Formula	: C ₂₈ H ₁₉ N ₅ Na ₂ O ₆ S ₄
Molecular Weight	: 695.72
CAS No.	: 1829-00-1
Shelf Life	: 5 years

Technical Specification

APPEARANCE : GOLD-BROWN TO ORANGE-BROWN OR RUST POWDER INFRARED SPECTRUM: CONFORMS TO STRUCTURE AND STANDARD.
UV-VISIBLE SPECTRUM: C=0.02 G/L IN H₂O
E₄₀₆(+/- 3 NM) = 22,000 (MINIMUM) E₃₂₃(+/- 3 NM) = 8,500 (MINIMUM)
ELEMENTAL ANALYSIS : CARBON 16.9% (MINIMUM) NITROGEN 3.5% (MINIMUM)
THIN-LAYER : CONSISTENT WITH HISTORY
SOLUBILITY : 1% IN H₂O; CLEAR TO HAZY, DARK YELLOW TO YELLOW-ORANGE TO RED SOLUTION