

# AMERICAN COLORCHEM

## Product Information

### TECHNICAL DATA SHEET / Specification Sheet

#### **Titan Yellow**

Synonym	: Thiazole Yellow G
Molecular Formula	: C <sub>28</sub> H <sub>19</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>6</sub> S <sub>4</sub>
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 H<sub>2</sub>O

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 H<sub>2</sub>O; CLEAR TO HAZY, DARK YELLOW TO YELLOW-ORANGE TO RED SOLUTION