



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215968
Lot Number: SAMPLE
Product Name: Thiazole yellow G
CAS Number: 1829-00-1
Molecular Formula: $C_{28}H_{19}N_5O_6S_4 \cdot 2Na$
Molecular Weight: 695.72

Test	Specification	Result
Appearance	Yellow to very dark yellow and light brown to very dark brown and yellow-brown and brown-yellow powder	Very dark brown-yellow powder
Identification (TLC)	Consistent with standard	Complies
pH Transition Range	pH 12.0 = yellow, pH 13.0= brown-yellow, orange	pH 12.0 = yellow, pH 13.0= orange
Solubility	Red to very dark red and red-brown and very dark red-brown and very dark orange solution at 0.1g/10 ml water,hot	Very dark orange solution at 0.1g/10 ml water,hot
Extinction Coefficient	≥ 250 (1%/1CM)	477.5
Wavelength	397 - 407 nm in water	405.7nm
Carbon Content	48.34 %	27.79%
Hydrogen Content	2.75 %	2.65%
Nitrogen Content	10.07 %	5.59%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com