



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215965
Lot Number: SAMPLE
Product Name: Thiamine monophosphate chloride dihydrate
CAS Number: 273724-21-3
Molecular Formula: $C_{12}H_{18}ClN_4O_4P \cdot 2H_2O$
Molecular Weight: 416.82

Test	Specification	Result
Appearance (Color)	White to off-white	White
Appearance (Form)	Powder	Powder
Identification (Infrared Spectrum)	Complies with structure	Complies
Purity (HPLC)	$\geq 99.0 \%$	99.0 %
Solubility	50 mg/ml in water	50 mg/ml in water
Solution (Color)	Colorless to very faintly yellow	Colorless
Solution (Turbidity)	Clear (< 3.5 NTU)	Clear (< 3.5 NTU)
Carbon	33.9 / 35.3 %	34.7 %
Nitrogen	13.0 - 13.8 %	13.5 %

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