



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-251180  
Lot Number: SAMPLE  
Product Name: Tetraethylenepentamine pentahydrochloride  
CAS Number: 4961-41-5  
Molecular Formula:  $C_8H_{23}N_5 \cdot 5HCl$   
Molecular Weight: 371.61

Test	Specification	Result
Appearance	White to faint yellow powder	Off-white powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Silver Nitrate Titration)	97.5 - 102.5%	98.3%
Purity (TLC)	$\geq 98\%$	$> 99\%$
Solubility	Clear and colorless to faint yellow solution at 25 mg/ml in water	Clear and faint yellow solution at 25 mg/ml in water
Chlorine	46.5 - 48.9%	46.9%

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](http://www.scbt.com)