



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-287381  
Lot Number: SAMPLE  
Product Name: (1S, 2S)-1,2-Bis(2-chlorophenyl)ethylenediamine dihydrochloride  
CAS Number: 1052707-24-0  
Molecular Formula:  $C_{14}H_{14}Cl_2N_2 \cdot 2HCl$   
Molecular Weight: 354.10

Test	Specification	Result
Appearance	White to tan solid, powder, crystals, crystalline powder and/or chunks	Off-white solid, powder, crystals, crystalline powder and/or chunks
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 96.5\%$	98.9%
Purity (Silver Nitrate Titration)	96.5 - 103.5%	99.8%
Optical Rotation	27.0 - 35.0° (c = 1%, water)	31.4°

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)