



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-291835
Lot Number: SAMPLE
Product Name: Adenine Hemisulfate Dihydrate
CAS Number: 6509-19-9
Molecular Formula: $C_{10}H_{10}N_{10} \cdot H_2SO_4 \cdot 2H_2O$
Molecular Weight: 404.4

Test	Specification	Result
Appearance		White powder
Identification	Passes	Complies
Identification (FTIR)	Consistent with standard	Complies
Purity	$\geq 99\%$	99.94%
pH	3 - 5 (0.5% aq soln)	3 (0.5% aq soln)
Residue on Ignition		0.07%
Solubility	Clear, colorless solution (0.5% aq soln)	Complies
A250/A260	0.80 ± 0.03	0.80
A280/A260	0.25 ± 0.2	0.23
λ_{max}	261 ± 2 nm (water)	260.5 nm (water)
Heavy Metals		< 10 ppm
Water Content	7 - 11%	7.2%

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