



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-255099
Lot Number: SAMPLE
Product Name: Dihydrostreptomycin sesquisulfate
CAS Number: 5490-27-7
Molecular Formula: $C_{21}H_{41}N_7O_{12} \cdot 3/2H_2SO_4$
Molecular Weight: 730.71

Test	Result
Appearance	White powder
pH	5.7
Content	95.8% sum of dihydrostreptomycin sulphate and streptomycin sulphate (dried substance)
Optical Rotation	-88.3°
Heavy Metals	< 20 ppm
Impurity	Streptidine: 0.3% Dihydrostreptomycin B: 0.5% Streptomycin Sulphate: < 0.1%
Loss on Drying	3.8%
Other Impurities	0.4%
Potency	754 IU/mg
Total Impurities	2.3%
Impurity C	0.7%
Sulfated Ash	0.5%
Abnormal Toxicity	1mg/0.5ml
Bacterial Endotoxins	< 0.50 IU/mg

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