



## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Actinomycin D,</b> From <i>Streptomyces parvulus</i> C <sub>62</sub> H <sub>86</sub> N <sub>12</sub> O <sub>16</sub> , M.W. 1255.5, CAS# [50-76-0]								
<b>PRODUCT NUMBER:</b>	A-1022								
<b>LOT NUMBER:</b>	A10079								
<b>APPEARANCE:</b>	Red crystals								
<b>PURITY (TLC):</b> <i>*Detection: Spray with H<sub>2</sub>SO<sub>4</sub> and heat</i>	> 99% (NP, CH <sub>2</sub> Cl <sub>2</sub> , methanol 9:1) > 99% (RP C18, Methanol, H <sub>2</sub> O 9:1)								
<b>PURITY (HPLC):</b>	99.08%								
<b>SOLUBILITY:</b>	Clear orange solution at 50 mg/ml DMSO								
<b>MELTING POINT:</b>	250°C								
<b>EXTINCTION COEFFICIENT:</b>	(Ethanol, 245mu) 33691 (Ethanol, 443mu) 24057								
<b>BACTERIAL ENDOTOXINS:</b>	5.6 IU/mg								
<b>BACTERIAL COUNT:</b>	< 1/g								
<b>ELEMENTAL ANALYSIS:</b>	<table><thead><tr><th><u>SPECIFICATIONS:</u></th><th><u>RESULTS:</u></th></tr></thead><tbody><tr><td>C: 59.28</td><td>C: 58.71</td></tr><tr><td>H: 6.80</td><td>H: 7.08</td></tr><tr><td>N: 13.3</td><td>N: 12.07</td></tr></tbody></table>	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>	C: 59.28	C: 58.71	H: 6.80	H: 7.08	N: 13.3	N: 12.07
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# A.G. Scientific, Inc.

6450 Lusk Blvd. Suite E102

SAN DIEGO, CA  
92121



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## STORAGE & HANDLING:

Store at +4°C. **PROTECT FROM LIGHT!**  
**HYGROSCOPIC! WARNING: VERY TOXIC!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

VERIFIED: KT

A.G. Scientific, Inc, AN ISO 9001:2000 COMPANY  
PHONE: (858) 452-9925, Toll FREE: (877) 452-9925, FAX: (858) 452-9926  
Email: [info@agscientific.com](mailto:info@agscientific.com), Web site: [www.agscientific.com](http://www.agscientific.com)