



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-108071
Lot Number: SAMPLE
Product Name: Puromycin dihydrochloride
CAS Number: 58-58-2
Molecular Formula: $C_{22}H_{29}N_7O_5 \cdot 2HCl$
Molecular Weight: 544.43
Native Source: *Streptomyces alboniger*

| Test | Specification | Result |
|-------------------|--|---------------------------|
| Appearance | | White to off-white powder |
| Identification | Positive | Complies |
| Purity (HPLC) | $\geq 98.0\%$ | 99.1% |
| Purity (TLC) | NP, CH ₂ Cl ₂ , methanol 7:3 RP C18, methanol, H ₂ O 9:1 | > 99% > 99% |
| Melting Point | 168 - 182°C | 176 - 180°C |
| Solubility | Clear and colorless or light yellow solution (50mg/mL in H ₂ O) | Clear colorless solution |
| Water Content | $\leq 12.0\%$ | 6.2% |
| Country of Origin | | Israel |

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