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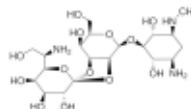
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Certificate of Analysis

Product Name:

Hygromycin B solution from *Streptomyces hygroscopicus* - ≥60% (HPLC), 45–60 mg/mL in H₂O

Product Number: H0654
Batch Number: SLBZ3953
Brand: SIGMA
MDL Number: MFCD06795479
Formula: C₂₀H₃₇N₃O₁₃
Formula Weight: 527.52 g/mol
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 19 OCT 2018



| Test | Specification | Result |
|------------------------|----------------------------------------------------------------------------------------|--------------|
| Appearance (Color) | Light Yellow to Very Dark Yellow and Brown-Yellow and Light Orange to Very Dark Orange | Brown-Yellow |
| Appearance (Form) | Liquid | Liquid |
| Appearance (Turbidity) | Clear to Slightly Hazy | Clear |
| Concentration | 45 - 60 mg/ml | 54 mg/ml |
| Purity (HPLC) | ≥ 60 % | 76 % |
| Total Aerobic Count | ≤ 1 CFU/ml | 0 CFU/ml |

Rodney Burbach, Manager
 Analytical Services
 St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.