

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01417
Lot Number	000795-175918-181986
Product	Geneticin disulfate salt Antibiotic G418
CAS Number	108321-42-2
Molecular Formula	C ₂₀ H ₄₀ N ₄ O ₁₀ •2H ₂ SO ₄
Molecular Weight	692.7

Appearance	White powder
Solubility	Colorless solution (100 mg/mL in water)
Cation	Ammonia : < 1%
pH	5.06
Optical Rotation	[α] _D ²⁰ = 106.5 °
UV Ratios	Absorbance (A570 nm, 100mg/mL in water) : 0.002% Absorbance (A280 nm, 1mg/mL in water) : 0.001%
Loss on Drying	5.2%
Potency (Anhydrous Basis)	748 µg/mg
Purity by HPLC	88.4%
Purity by TLC	< 3 spots
Storage	Store at 0 - 8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager