



CERTIFICATE OF ANALYSIS

Product **G418 Sulfate**
[Glycoside-418,Sulfate; BRN 1669188;Antibiotic G418];
 $C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$, M.W.692.7
CAS# 108321-42-2
CAT: AG0010
Appearance white powder
LOT#

	SPECIFICATIONS:	RESULTS:
WATER:	$\leq 12.0\%$	7.8%
SOLUBILITY:	Colorless solution (100mg/mL in H₂O)	Soluble in water
OPTICAL ROTATION (@25°C)	+104° to +121°	+117°
HEAVY METALS (AS Pb):	≤ 20 ppm	<20ppm
NH₄⁺:	$\leq 1.0\%$	<1.0%
pH:	5.5(+)-0.5	5.26
TLC:	$\geq 98\%(\leq 3 \text{ Spot})$	98%(1 spot)
ACTIVITY(DRY BASIS)	≥ 760 U/mg	771U/mg
ABSORBANCE		
A280(1mg/mL):	$\leq .015$	0.010
A570(100mg/mL):	$\leq .100$	0.007

STORAGE&HANDLING: Store at +4°C. **PROTECT FROM LIGHT & MOISTURE!**

WARNING: HARMFUL! IRRITANT!

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.

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