



CERTIFICATE OF ANALYSIS

PRODUCT: **Gentamicin Sulfate, USP Grade, Sterile Filtered Solution**
CAS# [1405-41-0]

PRODUCT NUMBER: G-1068

LOT NUMBER: A10027

CONCENTRATION: 50 mg/ml in DI water

APPEARANCE: Clear to light yellow solution.

DATA based on DRY BASIS

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
IDENTIFICATION:	Positive	Conforms
SPECIFIC ROTATION:	+107° - +121°	+112°
pH:	3.5 - 5.5	4.6
LOSS ON DRYING:	≤18.0%	7.8%
RESIDUE ON IGNITION/ SULFATED ASH	≤1.0%	0.1%
LIMIT OF METHANOL:	≤1.0%	0.0%
GENTAMICIN C₁:	25%-50%	25%

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GENTAMICIN C_{1a}:	10%-35%	33.7%
GENTAMICIN C_{2a} + C₂:	25%-55%	41.3%
ENDOTOXINS:	<0.71 EU/mg	0.3 EU/mg
ASSAY (dry basis):	>590 ug/mg	636 ug/mg
STORAGE:	Store at +4°C.	

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