

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Gentamycin Sulphate
 CAS NO. 1405-41-0
 BATCH NO. 25/MFM/3203
 EXPIRY DATE: August 2028
 MOLECULAR WEIGHT: 575.67 g/mol
 STORAGE CONDITIONS: 2 to 8 Deg C

TESTS	SPECS	RESULTS
Description:	White or almost white powder	White Powder
Identification:	Positive	Positive
Specific Rotation:	+107° to 118°	+ 118°
Loss on Drying:	NMT 15.0%	9.8%
pH:	3.5 – 5.5	4,9
Residue on Ignition:	NMT 1.0%	0.3%
Sulphate:	32.0% to 35.0%	33.5%
Limit of Methanol:	NMT 1.0%	Nil
Residual solvents:	Meet the requirements	Complies
Content of Gentamicins:	C1+C2b: 25.0% to 50%	26.9%
	C1+C2b: 25.0% to 50%	29.5%
	C1a : 10% to 35.0%	23.3%
	C2 + C2a : 25.0% - 55.0%	50.9%
Bacterial endotoxins:	<1.67 u/mg	<0.71 u/mg
Total aerobic microbial count:	<1000 cfu/g	<10 cfu/g
Total yeasts & mold count:	<100 cfu/g	<10 cfu/g
Assay (anhydrous basis):	NLT 590µg/mg	640µg/mg

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 29th August 2025