

Analysenzertifikat Certificate of Analysis

Gentamycinsulfat Gentamycin sulfate	Kat. Nr.: / Cat. No.: Lot / Contr. No.:	M3121 040520
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Substance that can be used as a broad-spectrum cell culture antibiotic that is non-toxic to viruses and mammalian cells at anti-bacterial and anti-mycoplasma concentrations. Its extended stability and the slow development of bacterial resistance allow long-term virus and tissue culture studies.

Composed of three closely related compounds: gentamycin C1, C1a, and C2.

C1: C₂₁H₄₃N₅O₇ - MW = 477.6 g/mol

C2/2a: C₂₀H₄₁N₅O₇ - MW = 463.6 g/mol

C1a: C₁₉H₃₉N₅O₇ - MW = 449.5 g/mol

with 20-35% for C1; 10-30% for C1a; 40-60% for C2/2a (EP 4)

Parameter Parameter	Methode Method	Spezifikation Specification	Ergebnis Result
Aussehen: Appearance:		weißes bis beinahe weißes Pulver white to almost white powder	entspricht corresponds
Aktivität: Activity:	wasserfreie Substanz. anhydrous substance	min. 590 I.U./mg min. 590 I.U./mg	654 I.U./mg 654 I.U./mg
Wasser: Water:	K.F.	max. 15%	8,8% 8.8%
pH-Wert: pH value:	4% in H ₂ O (CO ₂ -frei) 4% in H ₂ O (CO ₂ -free)	3,5 bis 5,5 3.5 to 5.5	4,8 4.8
Sulfat: Sulfate:		32-35%	33,7% 33.7%
Sulfatasche: Sulfated ash:		max. 1%	entspricht corresponds
Summenformel: Empirical formula:		C ₁₉₋₂₁ H ₃₉₋₄₃ N ₅ O ₇ x H ₂ SO ₄	
Molekulargewicht: Molecular weight:	von Gentamycin of Gentamycin	C1: C ₂₁ H ₄₃ N ₅ O ₇ - 477.6 g/mol C2/2a: C ₂₀ H ₄₁ N ₅ O ₇ - 463.6 g/mol C1a: C ₁₉ H ₃₉ N ₅ O ₇ - 449.5 g/mol	
Endotoxin: Endotoxin:	LAL Test	max. 2 I.U./mg	<0,71 <0.71
CAS-Nummer: CAS number:		1405-41-0	
Nächste QA: Next retest:		04/2024	

Versand: nicht gekühlt / Lagerung: bei +2°C bis +8°C
Shipment: not cooled. / Storage: at +2°C to +8°C

BSE/TSE statement – animal free product

We hereby guarantee that this product was manufactured by fermentation, the raw material is not of animal origin and during the manufacturing process no material of animal origin is used.

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