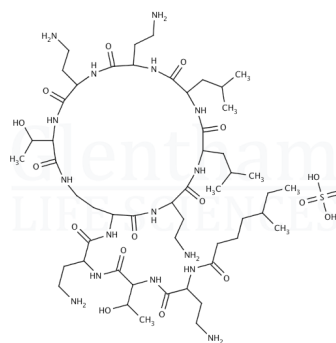


Certificate of Analysis

Product Name	Colistin sulfate salt, Ph. Eur. grade
Glentham Code	GP4890
CAS Number	1264-72-8
EINECS	215-034-3
MDL Number	MFCD00146495
Batch Number	120XNJ
Molecular Weight	-
Molecular Formula	-
Storage Temp.	+4°C



Property	Specification	Batch 120XNJ
Physical Description	White or almost white powder	Almost white powder
Identification	A, B, C, D, E: To pass tests	Conforms
pH (1% in water)	4.0 - 6.0	4.9
Specific Optical Rotation ($[\alpha]_{20/D}$)	-63.0 - -73.0 ° (c=5, water, dried)	Conforms
Any Individual Impurity	≤ 4.0%	1.7%
Total Related Substances	≤ 23.0%	7.5%
Sulphate	16.0 - 18.0 % (dried)	16.9%
Loss on Drying	≤ 3.5%	1.4%
Sulphated Ash	≤ 1.0%	0.1%
Content (dried substance)	E1, E2, E3, E1-I + E1-7MOA: ≥ 77.0%	88.1%
	E1-I: ≤ 10.0%	0.5%
	E1-7MOA: ≤ 10.0%	3.7%
	E3: ≤ 10.0%	4.6%
Pharmacopoeia Specification(s)	Ph. Eur.	Conforms
Specification Version	v1.0	
Manufacture Date	2021-06-25	
Re-Test Date	2029-08-17	

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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