



ANALYSIS CERTIFICATE

Lot/Analysis/Analysis N°: 233626

| | |
|-------------------|-----------------------|
| Product: | COLISTIN SOLPHATE |
| Lot: | 233626 |
| Expiry date: | 28/02/2027 |
| Reference: | Cumple PhEur11.2 |
| Synonyms: | Polimixina E sulfato. |
| Formula: | |
| Molecular weight: | g/mol |

| Assay | Result | Specification | |
|---------------------------------------|---------------|----------------------|---|
| Identification | Conform (B,E) | | |
| Organoleptic properties | Conform | | |
| pH | 4,2 | 4,0 - 6,0 | = |
| Related substances (HPLC) | Conform | | = |
| Sulphates | 16,5 % | 16,0 - 18,0 % | = |
| Loss on drying | 2,1 % | <= 3,5 % | |
| Sulphated ashes | 0,3 % | <= 1,0 % | = |
| Antimicrobial power | 22740 s.p.s | >= 19000 UI/mg s.p.s | |
| Composition (HPLC) | Conform | | = |
| Elemental impurities | Conform | Test PhEur | # |
| Nitrosamine impurities | Conform | Test PhEur | # |
| Impurity B | 0,2 % | <= 4,0 % | = |
| Any impurity; not more than 4 >= 1.0% | 1,9 %;<= 4 | <= 2,5 % ; <= 4 | = |
| Total impurities | 7,3 % | <= 11,0 % | = |
| Polymyxin E1-I | < 0,4 % | <= 8,5 % | = |
| Polymyxin E3 | 2,8 % | <= 5,5 % | = |
| Polymyxin E1-7MOA | 3,4 % | <= 5,0 % | = |
| Polymyxin E6 | 1,0 % | Polymyxin E6 | = |
| Polymyxin E1-Nva | < 0,4 % | <= 4,5 % | = |
| Sum of polymyxins E4 and E2-Val | 2,0 % | <= 3,0 % | = |
| Poymyxin E2-I | 0,7 % | <= 2,5 % | = |
| Polymyxin 2,3-dehidro E1 | < 0,4 % | <= 1,5 % | = |
| Sum of polymyxins | 90,1 % | >= 86,0 % | = |
| Residual solvent: Ethanol | <=5000 ppm | <= 5000 ppm | # |

Organoleptic characteristics: White or almost white, hygroscopic powder. Freely soluble in water, practically insoluble in acetone and in ethanol (96 per cent).

Conservation: In tightly closed containers. Protect from light.

Date of analysis: 13/11/2023

Judgement:
APPROVED

Responsible: B.Chia

Technical director: Montserrat Enrique

Manufacturer: F00433 LABORATORIUM OFICHEM B.V.

Manufacturer batch: 2302007.1224

| Product | Name | Capacity | Batch |
|---------|-------------------|----------|------------|
| 1120657 | COLISTINA SULFATO | 25 g | 233626-G-1 |
| 1120657 | COLISTINA SULFATO | 25 g | 233626-G-2 |
| 1120659 | COLISTINA SULFATO | 100 g | 233626-J-1 |
| 1120659 | COLISTINA SULFATO | 100 g | 233626-J-2 |
| 1120660 | COLISTINA SULFATO | 250 g | 233626-N-1 |
| 1120660 | COLISTINA SULFATO | 250 g | 233626-N-2 |
| 1120662 | COLISTINA SULFATO | 1 kg | 233626-P-1 |

This certificate is not initialled as it is computer processed, it is validated with the originals available at Acofarma.

Original manufacturer's certificate available on request.

(#) Parameter controlled by the manufacturer

(=) UE certificate

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