# CERTIFICATE OF ANALYSIS

## GENTAMYCIN SULFATE

*50 MG/ML SOLUTION, STERILE*

**Catalogue no.:** 450-135-**

**Lot no.:** 450135157

**Expiration date:** 04/2027

**MSDS:** Available upon request

**Shipping:** Ambient

**Storage:** Store refrigerate at 2-8°C

| TEST | SPECIFICATION | UNITS | RESULTS |
|---|---|---|---|
| Appearance | Clear light yellow Solution | NA | Clear light yellow Solution |
| pH | 4.4 ± 0.5 | NA | 4.39 |
| Osmolality | 100 - 175 | mOsm/kg of water | 118 |
| Endotoxin1 :1000 dilution | ≤ 0.25 | EU/mL | Conform |
| Antimicrobial Activity 1:1000 dilution | Inhibition of *S.aureus* & *E.coli* | NA | Pass |
| Sterility by USP | Pass | NA | Pass |

### ADDITIONAL INFORMATION:

STABILITY: This liquid media has a data supporting a shelf life of 24 months when properly stored avoid freezing of this media, as it may cause precipitation upon thawing.

PREPARATION: Add the appropriate amount of antibiotic to sterile media in order to obtain the required working concentration. Mix well and sterile filter (optional, reduces chances of contamination). Working concentration: selection of the proper working concentration is a balance between strong antibiotic effect and the concern for negative effects to the cells of importance. The working concentration should be varied above or below the suggested value to optimize for the cells.