

# Specification

## Technical Data Sheet

|                     |                                    |
|---------------------|------------------------------------|
| <b>Product Name</b> | Spectinomycin sulfate tetrahydrate |
|---------------------|------------------------------------|

|                   |          |
|-------------------|----------|
| <b>Product No</b> | 90022082 |
|-------------------|----------|

|                   |            |
|-------------------|------------|
| <b>CAS Number</b> | 64058-48-6 |
|-------------------|------------|

|                            |         |
|----------------------------|---------|
| <b>Storage Temperature</b> | Ambient |
|----------------------------|---------|

|                         |        |
|-------------------------|--------|
| <b>Molecular Weight</b> | 502.49 |
|-------------------------|--------|

### Specification

|                   |                           |
|-------------------|---------------------------|
| <b>Appearance</b> | White to off-white powder |
|-------------------|---------------------------|

|                |        |
|----------------|--------|
| <b>Acetone</b> | ≤ 0.1% |
|----------------|--------|

|                       |                       |
|-----------------------|-----------------------|
| <b>Identification</b> | Conforms to reference |
|-----------------------|-----------------------|

|           |           |
|-----------|-----------|
| <b>pH</b> | 3.8 - 5.6 |
|-----------|-----------|

|                          |                  |
|--------------------------|------------------|
| <b>Specific rotation</b> | +10.0° to +14.0° |
|--------------------------|------------------|

|              |              |
|--------------|--------------|
| <b>Water</b> | 12.0 - 16.5% |
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## Specification

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**Assay (calculated on the dried basis)** 93.0 - 102.0%

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**Potency (based on hydrous by HPLC)** --

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**Sulphated Ash**  $\leq 0.1\%$

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