

# Certificate of Analysis

## Geneticin (G418) Disulfate

Catalog No.: i88019

Lot No.: -

CAS No.: 108321-42-2

EC No.: -

Formula:  $C_{20}H_{44}N_4O_{18}S_2$

Molecular Weight: 692.71 g/mol

Shelf life: -

Expiration Date\*: 1 Year

Test	Specification	Result
<i>Appearance</i>	White powder	Conforms
<i>pH</i>	no data available	Conforms
<i>Solubility in water</i>	50 g/l (25°C)	Conforms
<i>Assay(HPLC)</i>	Min. 97.0%	Conforms
<i>Specific Optical Rotation</i> <i>[alpha]D (c = 1 in water, 20 °C)</i>	104.0-122.0	Conforms
<i>Sodium Hydroxide Titration (0.1 mol/L)(calculated on dry matter)</i>	96.0-103.0%	Conforms
<i>FT-IR Spectrum</i>	Conforms to Standards	Conforms

**Storage:** Keep container tightly closed in a dry, cool and well-ventilated place.

QC Department

\*The expiration date of a standard is defined as the amount of time that it should remain in use after opening depending on the standard condition