



CERTIFICATE OF ANALYSIS

Product : **G-418 DISULPHATE**
Product number : G0175
Batch number : 019299
Date of analysis : xx-02-2025
Date of expiry : 29-02-2028

Packaging and storage : store in a well-closed container, protected from light and moisture at 2 – 8 °C

| | SPECIFICATION | RESULT | UNITS | REMARKS |
|---------------------------|----------------------------|----------|-------|-----------------|
| Appearance | white powder | complies | | |
| Solubility | freely soluble in water | complies | | |
| | clear, colourless solution | | | |
| Water | ≤ 8.0 | 6.3 | % | |
| pH | 5.0 – 6.0 | 5.5 | | |
| Specific optical rotation | +104 – +121 | 110 | ° | |
| Absorbance | | | | |
| - A _{570 nm} | ≤ 0.010 | < 0.001 | | |
| - A _{280 nm} | ≤ 0.015 | < 0.009 | | |
| Ammonium | ≤ 1.0 | < 1.0 | % | |
| Heavy Metals | ≤ 20 | < 20 | ppm | as Pb |
| Potency | ≥ 700 | 758 | U/mg | dried substance |

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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Date: 21-05-2025

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.