

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.
 Certificate Number. 951001163

Catalogue Number	J62671
Lot Number	Y03L021
Description	G418 disulfate, Cell Culture Reagent
CAS Number	108321-42-2
Quality Test/Release Date	03/Nov/2025
Suggested retest date	03/Nov/2028
Country of Origin	China

Result Name	Units	Specifications	Test Value
Appearance (Color)		White	White
Endotoxin	EU/mg	≤0.5 EU/mg	=<0.5
Form		Powder	Powder
Heavy Metals	ppm	≤20 ppm	10
Water Content (Karl Fischer Titration)	%	≤6.0%	2.9
Optical Rotation	°	+104° to +121°	+120
pH		4.6 to 6.0 @ 200 mg/ml	6.2
Potency	ug/mg	≥720 ug/mg	753
Purity	%	≥98% (HPLC)	98.2
Solubility		100 mg/ml in water: Clear to slightly hazy	Complies
Specific Absorbance (E 1%/1cm)		≤0.015 @ 280 nm	0.008
Specific Absorbance (E 1%/1cm)		≤0.10 @ 570 nm	0.009



Derek Roy
 Quality Manager, LCD

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.