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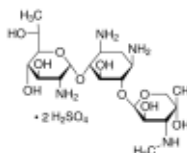
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

G 418 disulfate salt – potency: $\geq 450 \mu\text{g}$ per mg (dried basis)

Product Number: G5013
Batch Number: WXBD0392V
Brand: SIGMA
CAS Number: 108321-42-2
Formula: C₂₀H₄₀N₄O₁₀·2(H₂SO₄)
Formula Weight: 692.7 AMU
Storage Temperature: Store at 2-8 DEGREE C
Quality Release Date: 04 JUL 2019
Recommended Retest Date: JUN 2021



Test	Specification	Result
Appearance (Colour)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Colour)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear to Very Slightly Hazy	Clear
50 mg/mL, H ₂ O		
Water (by Karl Fischer)	$\leq 12 \%$	7 %
Potency (Dried basis)	$\geq 450 \mu\text{G}/\text{mg}$	777 $\mu\text{G}/\text{mg}$
Carbon (Anhydrous)	30.0 - 35.4 %	33.8 %
Nitrogen (Anhydrous)	7.8 - 8.6 %	8.0 %

Steven Chen, Manager
 Quality Control
 Wuxi, China CN

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.