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Certificate of Analysis

Choline chloride - powder, BioReagent, suitable for cell culture, suitable for insect cell culture, ≥98%

Product Number:C7527Lot Number:SLBB8921VBrand:SIGMACAS Number:67-48-1

Product Name:

MDL Number: MFCD00011721
Formula: C5H14CINO
Formula Weight: 139.62 g/mol
Quality Release Date: 10 FEB 2012
Recommended Retest Date: FEB 2014

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Pow der	Pow der
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
200 mg plus 4 mL of water		
Water (by Karl Fischer)	< 1.0 %	0.2 %
Carbon (anhydrous)	41.9 - 44.0 %	43.4 %
Nitrogen (anhydrous)	9.5 - 10.5 %	10.1 %
Cell Culture Test	Pass	Pass
Insect Cell Test	Pass	Pass
Assay	> 98.0 %	100.0 %
Anhydrous basis	_	
Recommended Retest Period		
2 years		

Rodney Burbach, Manager Analytical Services St. Louis, Missouri US

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.

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