

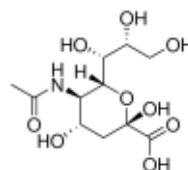
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Product Specification

Product Name:
N-Acetylneuraminic acid - from Escherichia coli, ≥98%

Product Number: **A2388**
 CAS Number: 131-48-6
 MDL: MFCD00006620
 Formula: C₁₁H₁₉NO₉
 Formula Weight: 309.27 g/mol
 Storage Temperature: -20 °C



TEST

Specification

Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Very Faint Yellow
Solubility (Turbidity)	Clear to Very Slightly Hazy
50 mg/ml, H ₂ O	
¹ H NMR Spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 2.5 %
Carbon (anhydrous)	42.2 - 43.2 %
Nitrogen (anhydrous)	4.2 - 4.9 %
Specific Rotation	-34.0 - -30.0 °
c = 1%, H ₂ O, 20°C	
Purity (HPLC)	≥ 98 %
Recommended Retest Period	-----
3 years	

Specification: PRD.5.ZQ5.10000028324

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.