

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

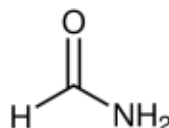
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Certificate of Analysis

Product Name:

Formamide solution – NMR reference standard, 90% in DMSO-d₆ (99.8 atom % D)

Product Number: 551384
Batch Number: MBBB5115V
Brand: FLUKA
Formula: CH₃NO
Formula Weight: 45.04 g/mol
Quality Release Date: 16 FEB 2015



Test	Specification	Result
Appearance (Clarity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Solution	Solution
Proton NMR Spectrum for Formamide compon	Conforms	Conforms
¹³ C-NMR Spectrum for Formamide component	Conforms	Conforms
Proton NMR Spectrum for DMSO-d ₆ componen	Conforms	Conforms
Proton NMR for DMSO-d ₆	≥ 99.9 %	99.9 %
Proton NMR Specturm for Solution	Conforms	Conforms
¹³ C-NMR Spectrum for Solution	Conforms	Conforms
Gravimetric Analysis	89.1 - 90.9 %	90.2 %
Tube Fill	1.88 - 2.12 IN	1.99 IN
Purity (GC) for DMSO-d ₆ component	≥ 99.0 %	99.9 %

Laura Baird, Sr. Specialist
Quality Assurance
Miamisburg, Ohio 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.