3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigma-aldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

## **Certificate of Analysis**

Product Name : Product Number : Batch Number : Source Batch : CAS Number : Storage Temperature : Molecular Formula : Formula Weight : Recommended Retest Date : Quality Release Date : DAPI for nucleic acid staining D9542-50MG-PW 000081269 13190123 28718-90-3 Cooler/Refrigerated  $C_{16}H_{15}N_5 \cdot 2HCI$ 350.25 Feb 2022 17 Feb 2019

Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Colour)	Yellow	Yellow
Solubility (Solvent)	Water	Water
Solubility (Conc)	19.60 - 20.40 mg/ml	20.00 mg/ml
Solubility (Heating)	Yes or No	Yes
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Yellow	Yellow
Water (by Karl Fischer)	≤ 8.00 %	1.96 %
Elemental Anal. (%C anhydrous)	53.50 - 56.20 %	54.24 %
Elemental Anal. (%N anhydrous)	19.50 - 20.50 %	19.69 %
NMR (Solvent)	D2O	D2O
Identity by NMR	Consistent	Consistent with Control
NMR (Residual Solvent 1)	Acetone	Acetone
NMR (% Solvent 1)	≤ 1.00 %	0.22 %
Purity (TLC)	≥ 98.0 %	98.5 %
Purity (HPLC)	≥ 98.0 %	99.2 %

Thes Ackerman

Theo Ackermann PhD MScEng CQM Manager, Quality and Regulatory Affairs Jerusalem, Israel IL

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale.

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