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Website: www.sigmaaldrich.com

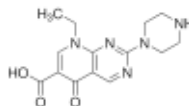
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Pipemidic acid

Product Number: P7903
Batch Number: 098M4892V
Brand: SIGMA
CAS Number: 51940-44-4
Formula: C₁₄H₁₇N₅O₃
Formula Weight: 303.3 AMU
Quality Release Date: 24 APR 2018
Recommended Retest Date: FEB 2026



Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Color)	White to Light Yellow	Off-White
Solubility (Solvent)	1N NaOH	1N NaOH
Solubility (Conc)	50.0 - 52.0 mg/ml	50.0 mg/ml
Solubility (Color)	Yellow to Yellow-Green	Yellow
Solubility (Turbidity)	Clear	Clear
Water (by Karl Fischer)	≤ 20.0 %	14.7 %
Proton NMR spectrum	Consistent With Structure	Consistent With Structure
Purity (Titration by HCL04) (dry basis)	≥ 98 %	99 %
Purity (TLC)	≥ 98 %	100 %

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. 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.