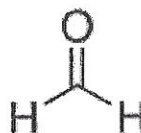


Certificate of Analysis

Product Name:

Formaldehyde solution – ACS reagent, 37 wt. % in H₂O, contains 10–15% Methanol as stabilizer (to prevent polymerization)

Product Number: 252549
 Batch Number: SHBJ1650
 Brand: SIAL
 MDL Number: MFCD00003274
 Formula: CH₂O
 Formula Weight: 30.03 g/mol
 Quality Release Date: 02 JUN 2017
 Recommended Retest Date: MAY 2019



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Titration by H ₂ SO ₄	36.5 - 38.0 %	38.0 %
Residue on ignition (Ash)	< 0.005 %	0.001 %
Color Test	< 10 APHA	< 5 APHA
Chloride (Cl)	< 5 ppm	< 5 ppm
Iron (Fe)	< 5 ppm	< 5 ppm
Heavy Metals	< 5 ppm	< 1 ppm
by ICP-OES		
Sulfate (SO ₄)	< 0.002 %	< 0.002 %
Titrateable Acid (meq/g)	< 0.006	0.005
Note	Confirmed	Conforms
Stabilized with 10% to 15% Methanol		
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
2 Years		

Michael Grady, Manager
 Quality Control
 Sheboygan Falls, WI 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.