

## Certificate of Analysis

Product Name:

Formaldehyde solution - ACS reagent, 37 wt. % in H<sub>2</sub>O, contains 10-15% Methanol as stabilizer (to prevent polymerization)

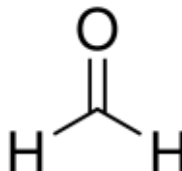
Product Number: 252549

Batch Number: STBL1603

Brand: SIAL

Quality Release Date: 16 MAY 2023

Recommended Retest Date: MAY 2025



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Color Test	≤ 10 APHA	< 10 APHA
Titration	36.5 - 38.0 %	37.1 %
With H <sub>2</sub> SO <sub>4</sub>		
Titrateable Acid	≤ 0.006 eq/Kg	< 0.006 eq/Kg
Residue on Ignition	≤ 0.005 %	0.001 %
Infrared Spectrum	Conforms to Structure	Conforms
Heavy Metal	≤ 5 ppm	< 5 ppm
Meets ACS Requirements	Confirmed	Confirmed
Meets Current ACS Requirements		
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Sulfate (SO <sub>4</sub> )	≤ 0.002 %	< 0.002 %
Iron (Fe)	≤ 5 ppm	< 5 ppm
Note	Conforms	Conforms
Material is Stabilized with 10%-15% Methanol		

Dr. Christian Matheis  
Manager, Quality Control  
Steinheim, Germany DE

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](http://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.

