

## Certificate of Analysis

**Product Name:** Formaldehyde solution  
ACS reagent, 37wt. % water, Methanol 10-15 % stabilizer to  
prevent polymerization

**Product Number:** 252549

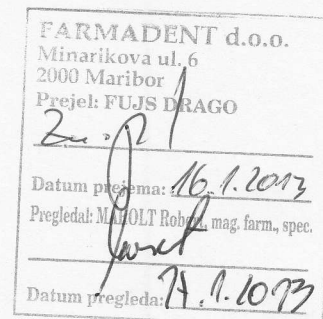
**Batch Number:** SZBC2830V ✓

**Brand:** Sigma-Aldrich

**CAS Number:**

**Formula:** CH<sub>2</sub>O

**Formula Weight:** 30.03



TEST	SPECIFICATION	RESULT
appearance of the solution	complying	complying
IR spectrum	complying	complying
assay	36.5-38.0	37.5 %
sulfated ash	≤ 0.005	< 0.005 %
titrable acid	≤ 0.006	< 0.006 meq/g
iron (Fe)	≤ 0.0005	< 0.0005 %
heavy metals (as Pb)	≤ 0.0005	< 0.0005 %
chloride (Cl)	≤ 0.0005	< 0.0005 %
sulfate (SO <sub>4</sub> )	≤ 0.002	< 0.002 %
methanol (GC)	10-15	10-15 %
APHA	≤ 10	< 10

Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.

**Production Date** 09.Oct.12  
**Rec. Retest Date** 29.Sep.14  
**QC Release Date** 25.Oct.12

*Katja Boerner*

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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.