

Certificate of Analysis

Product Name:

Formaldehyde solution, 35%, Meets analytical specification of USP-NF, EP, BP, and JP

Product No.: PSR50182
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 50-00-0
Molecular Formula: CH₂O
Molecular Weight: 30.03 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colourless clear liquid	Colourless Liquid
Assay (By Iodometry) (USP)	≥ 34.50%	36.87 %
Assay (By Iodometry) (USP, EP, BP)	34.50 - 38.00%	35.89 %
Assay (By Iodometry) (JP)	35.00 - 38.00%	36.20 %
Identification A (USP)	Metallic silver is produced either in the form of finely divided, grey precipitate or as a bright, metallic mirror on the sides of the test tube.	Complies
Identification A (EP, BP)	A violet-blue or violet-red color develops within 5 min.	Complies
Identification 1 (JP)	A grey precipitate is produced, or a silver mirror is formed on the wall of the test tube.	Complies
Identification B (USP)	A permanent, deep-red color appears.	Complies
Identification B (EP, BP)	An intense red color is formed.	Complies
Identification 2 (JP)	A persistent, dark red color develops.	Complies
Identification C (EP, BP)	A grey precipitate or a silver mirror is formed.	Complies
Identification D (EP, BP)	It complies with the limits of the assay.	Complies
Solubility (USP)	Miscible with water and with alcohol.	Complies
Solubility (EP, BP)	Miscible with water and with ethanol (96%).	Complies
Solubility (JP)	Miscible with water and with ethanol (95%).	Complies
Appearance of solution (EP, BP)	Solution is colourless	Complies
Acidity (USP)	NMT 10.0 mL of 0.1N sodium hydroxide is consumed.	Complies
Acidity (EP, BP)	NMT 0.4 mL of 0.1 M sodium hydroxide is required to change the color of the indicator to red.	Complies

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Acidity (JP)	A blue color develops.	Complies
Methanol content (by GC) (EP, BP, USP)	9.00 - 15.00%	12.34 %
Methanol content (by GC) (JP)	5.00 - 13.00%	8.45 %
Sulphated ash (EP, BP)	NMT 0.10%	0.8 %
Residue on ignition (JP)	NMT 0.06%	0.02 %

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature of and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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