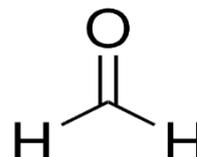


Product Specification

Product Name:

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

Product No.: PSR50182
Brand: PureSynth
CAS No.: 50-00-0
Molecular Formula: CH₂O
Molecular Weight: 30.03 g/mol



Test	Specification
Appearance	Colourless clear liquid
Assay (By Iodometry) (USP)	≥ 34.50%
Assay (By Iodometry) (USP, EP, BP)	34.50 - 38.00%
Assay (By Iodometry) (JP)	35.00 - 38.00%
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.
Identification A (EP, BP)	A violet-blue or violet-red color develops within 5 min.
Identification 1 (JP)	A grey precipitate is produced, or a silver mirror is formed on the wall of the test tube.
Identification B (USP)	A permanent, deep-red color appears.
Identification B (EP, BP)	An intense red color is formed.
Identification 2 (JP)	A persistent, dark red color develops.
Identification C (EP, BP)	A grey precipitate or a silver mirror is formed.
Identification D (EP, BP)	It complies with the limits of the assay.
Solubility (USP)	Miscible with water and with alcohol.
Solubility (EP, BP)	Miscible with water and with ethanol (96%).
Solubility (JP)	Miscible with water and with ethanol (95%).
Appearance of solution (EP, BP)	Solution is colourless
Acidity (USP)	NMT 10.0 mL of 0.1N sodium hydroxide is consumed.
Acidity (EP, BP)	NMT 0.4 mL of 0.1 M sodium hydroxide is required to change the color of the indicator to red.
Acidity (JP)	A blue color develops.
Methanol content (by GC) (EP, BP, USP)	9.00 - 15.00%
Methanol content (by GC) (JP)	5.00 - 13.00%
Sulphated ash (EP, BP)	NMT 0.10%
Residue on ignition (JP)	NMT 0.06%

Specification: OT-1.0-QA/008

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com