

## Certificate of Analysis

Product Name:

**1,4-Dioxane PurSolv Plus for HPLC, GC and spectrophotometry, >99.9%**

Product No.: PSR4002  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 123-91-1  
Molecular Formula: C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>  
Molecular Weight: 88.11 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay (By GC)	> 99.9 %	99.91 %
Water (By KF)	NMT 0.050 %	0.016 %
Refractive Index (20°C)	1.4206- 1.4226	1.4223
Residue	NMT 1 mg/L	<0.5 mg/L
Peroxides (as H <sub>2</sub> O <sub>2</sub> )	NMT 2 mg/L	< 2 mg/L
UV Cutoff	NMT 215 nm	213 nm
UV Absorbance		
@ 250 nm	0.300	0.2210
@ 300 nm	0.020	0.0055
@ 350 nm	0.005	< 0.0001
@ 400 nm	0.005	0.0010
Suitability for HPLC	Complying	Complying

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](mailto:technical@pure-synth.com)

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**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](http://www.pure-synth.com)

Inspect on receipt

**Storage Condition:**

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

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

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