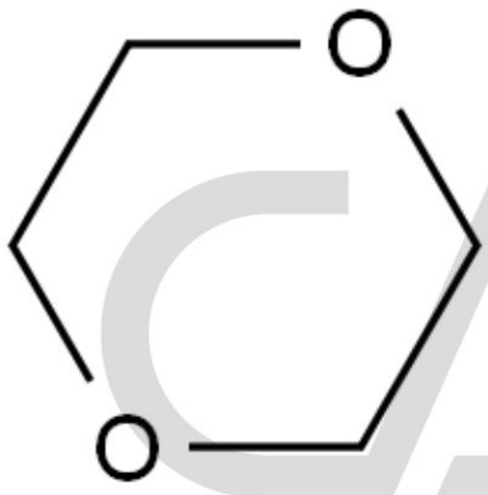
Certificate of Analysis

Reference Material & Standard

Product Name:	1,4-Dioxane	**Catalogue Number:**	CCEM500074
Synonyms:	N/A	**Lot Number:**	1015-RH-0103
CAS Number:	123-91-1	**Expiry Date:**	Oct 14, 2030
Molecular Formula:	$C_4H_8O_2$	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	88.11	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



CATO Research Chemicals Inc.

Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&IR&CNMR&HNMR	Confirmed
Purity	GC	100.0%
Assay	qNMR	94.6%
Uncertainty		±1.1%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Lisa Date: Oct 15, 2026

Reviewed by: Hinlam Date: Oct 16, 2026

Approved by General Manager: David Date: Oct 16, 2026

CATO Research Chemicals Inc.