

Certificate of Analysis



YSI Incorporated
Yellow Springs Instrument Co., Yellow Springs, Ohio 45387 USA
Phone 937 767-7241 • 800 765-4974 • Fax 937 767-9353

a xylem brand

Product Category Bioanalytical Standard
Product Model Number 2773 Choline Std
Lot Number 19D100583
Method Comparative enzymatic testing of Production standard vs. Metrology standard

Chemistry Tested	Determination	Tolerance	Result
Choline	(Average of production) - (average of metrology)	± 4.0 mg/L	2.7 mg/L
Choline	Coefficient of variation for production standard (CV, %)	$\leq 2\%$	0.8%
N/A	(Average of production) - (average of metrology)	\pm N/A	N/A
N/A	Coefficient of variation for production standard (CV, %)	\leq N/A	N/A

Conforms to acceptance criteria

Completed by: Heather Brooks

Date: 4/24/2019

The procedures used to manufacture and test this product have been verified by QA for GMP compliance.



A handwritten signature in blue ink that reads 'Gregory W. Popp'.

Gregory W. Popp
Quality Manager, Analytics