



**Alconox, Inc.**  
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### **Lot number traceable inhibitory residue tests for cleaners from Alconox, Inc.**

You will need this document with the inhibitory residue test data for all the recent master lot numbers plus the certificate of analysis for your specific lot of detergent showing that it is a sub lot of one of these master lot numbers.

To get a lot number specific inhibitory residue test to comply with accreditation guidelines requiring lot specific or annual testing, get a certificate of analysis (COA) for the detergent you have. These COA's can be found by creating or using your login at:

<https://alconox.com/certificate-of-analysis-coa/>

Lot numbers that you will need to get your COA are found at the top of the bar code panel or top flap of the 4 lb boxes (milk cartons), above the label on bottle, and on the side of the corrugated box or drum for larger sizes and cases.

On the COA you will find your lot number is a sub lot of some specific master lot number. Attached are the master lot number inhibitory residue tests. With the COA and the inhibitory residue test, you can trace your lot of detergent to a specific recent master lot number and the inhibitory residue test data attached.

Master lot numbers change in the unusual event of a significant change in raw materials or manufacturing. Master lot numbers change such that each lot can be traced to a Master lot that was tested within one year.

Inhibitory residue tests are performed for each year's worth of sub lot numbers.

Report of Inhibitory Residue Test for LIQUINOX®

Study dates: Feb 1-13, 2018

Analysis Completion Date: April 10, 2018

Sample Identification: M17-6468.28

Master Lot No: L1H7 (master for lots of the form “L, 1-9, A-M, 0-9, and optional A-Z”)

Master Lot changes with any significant raw material or manufacturing change. See Certificate of Analysis for Master Lot reference for any specific sub lot.

**TEST METHOD:**

Procedure defined and adhered to as described in section 9, 20<sup>th</sup> Ed Standard Methods for the Examination of Water and Waste Water. Test performed by an independent laboratory.

Detergent: 1% LIQUINOX™ aqueous solution.

- Group A: Washed with LIQUINOX™, then rinsed 1X DI water
- Group B: Washed with LIQUINOX™, then rinsed 12X DI water
- Group C: Washed with LIQUINOX™, no rinsing
- Group D: Sterile Petri dishes

The glassware was sterilized and pour plates were prepared using a known population of *E. aerogenes*

**RESULTS:**

Plate #	CFU/mL	CFU/mL	CFU/mL	CFU/mL
	Group A	Group B	Group C	Group D
Average	91	83	83	81
<15% Difference	YES	YES	YES	YES

**CONCLUSION:** As shown in the table, the average CFU/mL differs less than 15% between Groups A, B, C and D. The results indicate that LIQUINOX® detergent does not exhibit any toxic or inhibitory effects.

Report of Inhibitory Residue Test for LIQUINOX®

Report Approval Date: 04/18/2017

Sample Identification M17-0049.13

Master Lot No: L3M6 (master for lots of the form “L, 1-9, A-M, 0-9, and optional A-Z”)

Master Lot changes with any significant raw material or manufacturing change. See Certificate of Analysis for Master Lot reference for any specific sub lot.

**TEST METHOD:**

Procedure defined and adhered to as described in section 9, 20<sup>th</sup> Ed Standard Methods for the Examination of Water and Waste Water. Test performed by an independent laboratory.

Detergent: 1% LIQUINOX™ aqueous solution.

- Group A: Washed with LIQUINOX™, then rinsed 1X DI water
- Group B: Washed with LIQUINOX™, then rinsed 12X DI water
- Group C: Washed with LIQUINOX™, no rinsing
- Group D: Sterile Petri dishes

The glassware was sterilized and pour plates were prepared using a known population of *E. aerogenes*

**RESULTS:**

Plate #	CFU/mL	CFU/mL	CFU/mL	CFU/mL
	Group A	Group B	Group C	Group D
Average	76	78	69	78
<15% Difference	YES	YES	YES	YES

**CONCLUSION:** As shown in the table, the average CFU/mL differs less than 15% between Groups A, B, C and D. The results indicate that LIQUINOX® detergent does not exhibit any toxic or inhibitory effects.

Report of Inhibitory Residue Test for LIQUINOX®

Report Approval Date: 04/26/2016

Sample Identification M16-0188.11

Master Lot No: L2M5 (master for lots of the form “L, 1-9, A-M, 0-9, and optional A-Z”)

Master Lot changes with any significant raw material or manufacturing change. See Certificate of Analysis for Master Lot reference for any specific sub lot.

**TEST METHOD:**

Procedure defined and adhered to as described in section 9, 20<sup>th</sup> Ed Standard Methods for the Examination of Water and Waste Water. Test performed by an independent laboratory.

Detergent: 1% LIQUINOX™ aqueous solution.

- Group A: Washed with LIQUINOX™, then rinsed 1X DI water
- Group B: Washed with LIQUINOX™, then rinsed 12X DI water
- Group C: Washed with LIQUINOX™, no rinsing
- Group D: Sterile Petri dishes

The glassware was sterilized and pour plates were prepared using a known population of *E. aerogenes*

**RESULTS:**

Plate #	CFU/mL	CFU/mL	CFU/mL	CFU/mL
	Group A	Group B	Group C	Group D
Average	55	62	55	66
<15% Difference	YES	YES	YES	YES

**CONCLUSION:** As shown in the table, the average CFU/mL differs less than 15% between Groups A, B, C and D. The results indicate that LIQUINOX® detergent does not exhibit any toxic or inhibitory effects.