



# TEST REPORT

THE REPORTED TEST RESULTS RELATE ONLY TO THE ITEM(S) TESTED



Detrex Chemical  
1000 Belt Line St  
Cleveland, OH 44109  
ATTN: Ray Gardner

Request ID: R-20180601-059  
Date: 06/18/2018  
PO Number: 35264

Revised: Residue After Ignition value corrected on Sample S-180601-081.

Client Description Hydrochloric Acid

Sample No. S-180601-081 Customer ID: Batch No: HOKX1329070118

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

Methods noted with an \* fall outside of NSL's ISO 17025 Scope of Accreditation.

Definitions: NC - Nonconforming value, Min - Minimum, Max - Maximum. All quantitative analytical results are subject to variability due to the nature of testing. Estimated Uncertainty data is available upon request

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The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under the federal statutes, including Federal Law, Title 18, Chapter 47.

Reporting Officer :

Carm D'Agostino, Technical Specialist

NSL Analytical Services  
4450 Cranwood Parkway  
Cleveland, Ohio 44128

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Client Description Hydrochloric Acid

Sample No. S-180601-082 Customer ID: Batch No: HOKX1327770118

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

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Client Description Hydrochloric Acid

Sample No. S-180601-083 Customer ID: Batch No: HOKX1327380218

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

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Client Description Hydrochloric Acid

Sample No. S-180601-084 Customer ID: Batch No: HOKX1321180218

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

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Client Description Hydrochloric Acid

Sample No. S-180601-085 Customer ID: Batch No: HOKX1328530318

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

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Client Description Hydrochloric Acid

Sample No. S-180601-086 Customer ID: Batch No: HOKX1324330318

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

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Client Description Hydrochloric Acid

Sample No. S-180601-087 Customer ID: Batch No: HOKX1328010418

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

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Client Description Hydrochloric Acid

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Sample No. S-180601-088 Customer ID: Batch No: HOKX1328320418

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non Volatile Residue FCC Method	<0.1 %	Wet Chemistry*
Residue After Ignition ACS Method	<1 ppm	Wet Chemistry*
Residue On Ignition NF Method	<0.001 %	Wet Chemistry*

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