



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-20160621-023
Date: 06/27/2016
PO Number: 33404

Client Description HCl

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Sample No. S-160621-035 Customer ID: Batch Number: HOKX1327110516

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	0.0016 %	Wet Chemistry*
Residue on Ignition (NF)	0.027 %	Wet Chemistry*

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

ALL QUANTITATIVE ANALYTICAL RESULTS ARE SUBJECT TO VARIABILITY DUE TO THE NATURE OF TESTING. ESTIMATED UNCERTAINTY DATA IS AVAILABLE UPON REQUEST.

Reporting Officer :

Carm D'Agostino, Technical Specialist

NSL Analytical Services 4450 Cranwood Parkway Cleveland, Ohio 44128

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Date: 06/27/2016
PO Number: 33404

Client Description HCl

Sample No. S-160621-036 Customer ID: Batch Number: HOKX1323071015

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	<0.0001 %	Wet Chemistry*
Residue on Ignition (NF)	0.008 %	Wet Chemistry*

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

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Date: 06/27/2016
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Client Description HCl

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Sample No. S-160621-037 Customer ID: Batch Number: HOKX1328440416

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	0.0016 %	Wet Chemistry*
Residue on Ignition (NF)	<0.001 %	Wet Chemistry*

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Date: 06/27/2016
PO Number: 33404

Client Description HCl

Sample No. S-160621-038 Customer ID: Batch Number: HOKX1327451215

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	<0.0001 %	Wet Chemistry*
Residue on Ignition (NF)	<0.001 %	Wet Chemistry*

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Date: 06/27/2016
PO Number: 33404

Client Description HCl

Sample No. S-160621-039 Customer ID: Batch Number: HOKX1320670216

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	<0.0001 %	Wet Chemistry*
Residue on Ignition (NF)	<0.001 %	Wet Chemistry*

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ATTN: Ray Gardner

Request ID: R-20160621-023
Date: 06/27/2016
PO Number: 33404

Client Description HCl

Sample No. S-160621-040 Customer ID: Batch Number: HOKX1327220216

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	<0.0001 %	Wet Chemistry*
Residue on Ignition (NF)	<0.001 %	Wet Chemistry*

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Client Description HCl

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Sample No. S-160621-041 Customer ID: Batch Number: HOKX1327640116

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	0.0004 %	Wet Chemistry*
Residue on Ignition (NF)	0.001 %	Wet Chemistry*

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Client Description HCl

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Sample No. S-160621-042 Customer ID: Batch Number: HOKX1328370316

<u>Tests</u>	<u>Results/Units</u>	<u>Method</u>
Non-Volatile Residue (FCC)	<0.05 %	Wet Chemistry*
Residue on Ignition (ACS)	<0.0001 %	Wet Chemistry*
Residue on Ignition (NF)	<0.001 %	Wet Chemistry*

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