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LABORATORY ANALYSIS REPORT

DATE: 2010/05/06
CLIENT: Pionetics Corporation
151H Old County Road
San Carlos, CA 94070

PAGE: 1 of 7
PROJECT: 576
COLLECTED BY: AB
PROJECT REC'D: 2010-03-04
PROJECT DESC: Linx 140-120V

CONTACT: Eric Nyberg

Pace Analyticals Product Testing Division received 2 Linx 140-120V (s) for the analysis presented in the following report.

All data reported is associated with quality control that met method, EPA, NSF/ANSI or internal laboratory specification. Any exceptions are noted in a footnote or narrative format.

Pace Analytical Services, Inc. appreciates the opportunity to provide you with this product testing service. We value your feedback, would you please take a few minutes to access our customer satisfaction survey at: <http://www.pacelabs.com/my-account/customer-survey.html> . If you have any questions or comments regarding this report, please feel free to contact us.

Sincerely,

Enclosure



NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006499	Description: Influent	Volume: 10 Unit Volume
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<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Alkalinity (wc)	15	mg/L	1	EPA 310.1	2010-04-26	2010-04-29
Conductivity	92	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Hardness (wc)	21.0	mg/L	1.00	EPA 130.2	2010-04-26	2010-04-27
Low pH Copper	2990 ²¹	µg/L	10.00	EPA 200.8	2010-04-26	2010-04-29
pH (wc)	6.55	(None)	NA	EPA 150.1	2010-04-26	2010-04-26
Phosphorus (wc)	<0.05	mg/L	0.05	SM 4500-P	2010-04-26	2010-04-30
Pressure (psi)	60	psi	NA	(None)	2010-04-26	2010-04-26
Temperature (wc)	21.7	°C	NA	EPA 150.1	2010-04-26	2010-04-26
Total Dissolved Solids (wc)	50	mg/L	1	EPA 160.1	2010-04-26	2010-04-29
Turbidity (wc)	<1.0	NTU	1.0	EPA 180.1	2010-04-26	2010-04-26

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006505	Description: Linx 140-120V #3	Volume: 10 Unit Volume
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<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	9	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	90.2	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	2	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

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NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006506 **Description: Linx 140-120V #4** **Volume: 10 Unit Volume**

<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	7	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	92.4	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.449	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006507 **Description: Linx 140-120V #3** **Volume: 2.8 Liters**

<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	2	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	97.8	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006508 **Description: Linx 140-120V #4** **Volume: 2.8 Liters**

<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	5	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	94.6	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.449	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

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NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006509

Description: Linx 140-120V #3

Volume: 5.7 Liters

<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	5	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	94.6	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006510

Description: Linx 140-120V #4

Volume: 5.7 Liters

<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	3	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	96.7	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.449	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	5	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006511

Description: Linx 140-120V #3

Volume: 8.5 Liters

<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	3	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	96.7	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

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NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006512	Description: Linx 140-120V #4	Volume: 8.5 Liters
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<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	3	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	96.7	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.449	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006513	Description: Linx 140-120V #3	Volume: 11.4 Liters
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<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	3	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	96.7	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	2	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006514	Description: Linx 140-120V #4	Volume: 11.4 Liters
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<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	3	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	96.7	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.449	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04



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Sample: 006515	Description: Linx 140-120V #3	Volume: 13.6 Liters
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<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	3	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	96.7	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	2	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04

NSF/ANSI Standard 53 - 2009 Low pH Copper Reduction

Sample: 006516	Description: Linx 140-120V #4	Volume: 13.6 Liters
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<u>Compound</u>	<u>Results</u>	<u>Units</u>	<u>Reporting Limit</u>	<u>Method</u>	<u>Date Collected</u>	<u>Date Analyzed</u>
Conductivity	3	uS/cm	1	EPA 120.1	2010-04-26	2010-04-26
Conductivity % Red	96.7	%	NA	EPA 120.1	2010-04-26	2010-04-30
Flow Rate	0.449	GPM	NA	(None)	2010-04-26	2010-04-26
Low pH Copper	1	µg/L	0.50	EPA 200.8	2010-04-26	2010-04-28
Low pH Copper % Red	>99	%	NA	EPA 200.8	2010-04-26	2010-05-04



PERFORMANCE SUMMARY

Contaminant	Low pH Copper	
Number of Systems Tested	2	
Rated Claim	11.40	Liters
Performance Indicating Device (PID)	Yes	
Total Test Volume	14	Liters
Percentage of Rated Claim	123	PERCENT
Manufacturers Rated Flow Rate	0.50	GPM
Average Flow Rate (all devices)	0.452	GPM
Average Test Influent	2990	µg/L
Average Effluent (all devices)	1	µg/L
Maximum Allowable Effluent Level	1300	µg/L
Failure Point - Linx 140-120V #3	Didn't Fail	Liters
Failure Point - Linx 140-120V #4	Didn't Fail	Liters

This report has been reviewed for technical accuracy and completeness. The analyses were performed using EPA or other approved methodologies and the results were reported on an "as received" basis unless otherwise noted. These results relate only to the items tested.

NA = Not Applicable

su - Standard Units

UV - Unit Volume

mg/L = milligrams per Liter

ug/L = micrograms per Liter

GPM = Gallons Per Minute

NTU = Nephelometric Turbidity Unit

(wc) = Water Characteristics are for monitoring purposes only, quality control samples may or may not have been performed.

21 - Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits

END OF DOCUMENT