



Pace Analytical Services, Inc.
723 Kasota Ave. SE
Minneapolis, MN 55414

Phone: 612.656.1100
Fax: 612.656.1181

www.pacelabs.com

LABORATORY ANALYSIS REPORT

DATE: 2010/05/12
CLIENT: Pionetics Corporation
151H Old County Road
San Carlos, CA 94070

PAGE: 1 of 7
PROJECT: 575
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



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NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006481	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)	14	mg/L	1.0	EPA 310.1	2010-04-22	2010-04-29
Conductivity	80	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Hardness (wc)	16.0	mg/L	1.0	EPA 130.2	2010-04-22	2010-04-27
Low pH Cd	37.00	µg/L	0.08	EPA 200.8	2010-04-22	2010-05-07
pH (wc)	6.61	(None)	NA	EPA 150.1	2010-04-22	2010-04-22
Phosphorus (wc)	<0.05	mg/L	0.05	SM 4500-P	2010-04-22	2010-04-27
Pressure (psi)	60	psi	NA	(None)	2010-04-22	2010-04-22
Temperature (wc)	20.3	°C	NA	EPA 150.1	2010-04-22	2010-04-22
Total Dissolved Solids (wc)	48	mg/L	10	EPA 160.1	2010-04-22	2010-04-29
Turbidity (wc)	<1.0	NTU	1.0	EPA 180.1	2010-04-22	2010-04-22

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006487	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	11	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	86	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.459	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03



NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006488	Description: Linx 140-120V #4	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	2010-04-22	2010-04-23
Conductivity % Red	89	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006489	Description: Linx 140-120V #3	Volume: 2.8 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	7	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	91	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.459	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006490	Description: Linx 140-120V #4	Volume: 2.8 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	9	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	89	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03

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NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006491	Description: Linx 140-120V #3	Volume: 5.7 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	5	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	94	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.459	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006492	Description: Linx 140-120V #4	Volume: 5.7 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	5	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	94	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006493	Description: Linx 140-120V #3	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	2010-04-22	2010-04-23
Conductivity % Red	96	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.459	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03



NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006494	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	4	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	95	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006495	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	2	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	98	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.459	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006496	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	2010-04-22	2010-04-23
Conductivity % Red	96	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03



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NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006497	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	2	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	98	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.459	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-11

NSF/ANSI Standard 53- 2009 Low pH Cd Reduction

Sample: 006498	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	2	uS/cm	1	EPA 120.1	2010-04-22	2010-04-23
Conductivity % Red	98	%	NA	EPA 120.1	2010-04-22	2010-04-30
Flow Rate	0.455	GPM	NA	(None)	2010-04-22	2010-04-22
Low pH Cd	<0.08	µg/L	0.08	EPA 200.8	2010-04-22	2010-04-23
Low pH Cd % Red	>99	%	NA	EPA 200.8	2010-04-22	2010-05-03



PERFORMANCE SUMMARY

Contaminant	Low pH Cd	
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)	0.457	GPM
Average Test Influent	37	µg/L
Average Effluent (all devices)	<0.08	µg/L
Maximum Allowable Effluent Level	5	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.

END OF DOCUMENT