



ANALYSIS REPORT

Pace Analytical Life Sciences, LLC
 1311 Helmo Avenue North
 Oakdale, MN 55128
 Phone: (651)738-2728

Workorder 17204099
 IP, BP and ChP HCl Monograph
 Lot: HOKX1329040824 / 100324117
 Specification: Analysis Request Form Provided 04Oct2024
 Receipt Date: 04 Oct 2024
 Report Date: 07 Nov 2024

Prepared For:

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Analysis Performed	Analysis Date	Specification	Result
<i>Hydrochloric Acid, PLS Sample ID 17204099001</i>			
Identification 1, ChP Effective Date: Current	22 Oct 2024	Gives the reactions of chlorides <0301>	Complies: Gave the reactions of chlorides <0301>
Identification 2, ChP Effective Date: Current	21 Oct 2024	Remarkable white fumes produced	Complies: Remarkable white fumes produced
Identification 3, ChP Effective Date: Current	21 Oct 2024	Turns the blue litmus TP to red	Complies: Turned the blue litmus TP to red
Free Chlorine or Bromine, ChP Effective Date: Current	22 Oct 2024	The solution is free from any blue colour for at least 10 minutes	Complies: The solution was free from any blue colour for at least 10 minutes
Bromide or Iodide, ChP Effective Date: Current	21 Oct 2024	The chloroform layer is colorless	Complies: The chloroform layer was colorless
Sulfate, ChP Effective Date: Current	23 Oct 2024	Any opalescence produced is not more pronounced than that of a reference solution prepared using 1.5 mL of potassium sulfate standard solution (0.0005%).	Complies: Any opalescence produced was not more pronounced than that of a reference solution prepared using 1.5 mL of potassium sulfate standard solution (0.0005%).
Sulfite, ChP Effective Date: Current	22 Oct 2024	The blue colour does not disappear	Complies: The blue colour did not disappear
Residue on Ignition, ChP Effective Date: Current	31 Oct 2024	Not more than 1.2 mg (0.002%)	Complies: 0.1 mg (0.000%)
Iron, ChP Effective Date: Current	29 Oct 2024	NMT 0.0001%	Complies: NMT 0.0001%
Heavy Metals, ChP Effective Date: Current	29 Oct 2024	Not more than 0.0002%	Complies: Not more than 0.0002%
Arsenic, ChP Effective Date: Current	31 Oct 2024	Not more than 0.0001%	Complies: Not more than 0.0001%
Assay, ChP Effective Date: Current	23 Oct 2024	Not less than 36.0% and not more than 38.0% (g/g) of HCl	Complies: 37.5% (g/g) of HCl

Testing was performed in compliance with cGMPs

See Signature Manifest for Approval

Signature Manifest

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Revision: A

Title: 17204099_fr

All dates and times are in Central Time Zone.

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QA Approval

Name/Signature	Title	Date	Meaning/Reason
Meghan Duffy (008369)	QA Specialist II	07 Nov 2024, 02:34:13 PM	Approved

See Signature Manifest for Approval