



ANALYSIS REPORT

Pace Analytical Life Sciences, LLC
 1311 Helmo Avenue North
 Oakdale, MN 55128
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Workorder 17203993

IP, BP and ChP HCl Monograph Conformance Testing
 Lot: HOKX1329040824 / 100324117
 Specification: Analysis Request Form Provided 04Oct2024
 Receipt Date: 04 Oct 2024
 Report Date: 08 Nov 2024

Prepared For:

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Analysis Performed	Analysis Date	Specification	Result
<i>Hydrochloric Acid, PLS Sample ID 17203993001</i>			
ID A, IP Effective Date: 01 Oct 2021	22 Oct 2024	Chlorine is evolved	Complies: Chlorine was evolved
ID B, IP Effective Date: 01 Oct 2021	25 Oct 2024	It gives the reactions of chlorides (2.3.1)	Complies: It gave the reactions of chlorides (2.3.1)
Arsenic, IP (2.3.10) Effective Date: 01 Oct 2021	07 Nov 2024	NMT 1 ppm	Complies: NMT 1 ppm
Heavy Metals, IP (2.3.13) Effective Date: 01 Oct 2021	30 Oct 2024	NMT 5 ppm	Complies: NMT 5 ppm
Bromide and Iodide, IP Effective Date: 01 Oct 2021	25 Oct 2024	The chloroform layer does not become brown or violet	Complies: The chloroform layer did not become brown or violet
Free Chloride, IP Effective Date: 01 Oct 2021	31 Oct 2024	Meets the requirements for Free Chlorine	Complies: Met the requirements for Free Chlorine
Sulphite, IP Effective Date: 01 Oct 2021	23 Oct 2024	The colour of the iodine is not completely discharged	Complies: The colour of the iodine was not completely discharged
Sulphates, IP (2.3.17) Effective Date: 01 Oct 2021	24 Oct 2024	The resulting solution complies with the limit test for sulphates (20 ppm)	Complies: The resulting solution complied with the limit test for sulphates (20 ppm)
Residue on Evaporation, IP Effective Date: 01 Oct 2021	24 Oct 2024	Not more than 0.01 per cent	Complies: 0.00 per cent
Assay, IP Effective Date: 01 Oct 2021	25 Oct 2024	Not less than 35.0 per cent w/w and not more than 38.0 per cent w/w of HCl	Complies: 37.3 per cent w/w

Testing was performed in compliance with cGMPs

Signature Manifest

Document Number: PLS-LIMS Report-60416

Revision: A

Title: 17203993 001

All dates and times are in Central Time Zone.

17203993 001

QA Approval

Name/Signature	Title	Date	Meaning/Reason
Joshua Froyum (440407)	Senior QA Specialist	08 Nov 2024, 01:51:33 PM	Approved

See Signature Manifest for Approval