

BIO SPECTRA

100 Majestic Way, Bangor, PA 18013 / www.biospectra.us

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|----------------------|-------------------------------|-----------------|-----------------------|
| Effective Date: | 6-Apr-2020 | 6-Apr-2023 | : Date of Next Review |
| Prepared By: | Kyle Snyder | 16-000249 v.3.0 | : Supersedes |
| QA/QC Approval: | Carissa McCollan | Hannah Bernier | : Management Approval |
| Reason for Revision: | See Revision History in ensur | | |

CERTIFICATE OF ANALYSIS

6N HCl in IPA

BIO PHARMA GRADE / IH4101- K180

LOT: IH4101-022-1020

HCl / C₃H₈O \wedge F.W. 36.46 / 60.10 g mol. \wedge CAS# 7647-01-0 / 67-63-0

Manufacturing Date: 10/25/20 Retest Date: 10/31/22

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Date: 10/29/20 Packaging Site: 100 Majestic Way, Bangor PA, 18013

| ANALYSIS | SPECIFICATION | TEST RESULT |
|---------------------------|--|--|
| Appearance and Color | Clear, colorless to slightly yellowish fuming liquid | Clear, colorless to slightly yellowish fuming liquid |
| Assay (Acid titration) | ≥ 5.9 N | 6.2 N |
| Identification (Chloride) | Passes Test | Passes Test |

COUNTRY OF ORIGIN: U.S.A.TEST METHOD REFERENCE: DCN:17-002060

INTENDED USE: Material represented by this Certificate of Analysis is suitable for use as a GMP process chemical. It is manufactured in accordance with the IPEC-PQG Joint Good Manufacturing Practice Guide. The material represented by this Certificate of Analysis is not suitable to be used as an Active Pharmaceutical Ingredient, Drug, Drug Product or Household Item.

Prepared by: [Signature] Date: 11/11/20 Job Title: QA Document SpecialistReviewed by: [Signature] Date: 11/11/20 Job Title: QA Supervisor