

BIO SPECTRA

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

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: IH4101-020-0420

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

Manufacturing Date: 4/5/2020 Retest Date: 4/30/2022

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Date: 4/9/2020 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	6.0 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: Carissa Date: 4/14/20 Job Title: QA SupervisorReviewed by: H. Bernier Date: 4/14/20 Job Title: QA Manager