



**ChemPure* Brand
Chemicals**

DATE: 7/28/2021:

...Pure Quality

Certificate of Analysis

TISAB II

Total Ionic Strength Adjustment Buffer (TISAB II), with CDTA
Fluoride Analysis using Ion Selective Electrodes
APHA for Fluoride, 4500-C

Product No: CP-E2613P
Lot Number: 1GG1119
Manufactured Date: 07/28/2021 Expiration 24 Months: 07/27/2023
Recommended Storage: 15°C - 30°C (59°F - 86°F)

SPECIFICATIONS

TEST		RESULT
Appearance	Colorless liquid	Passed
pH at 25°C	5.30-5.50	5.37
Slope	54-60mV	58.9mV

Materials	CAS#	Chemical Standard
Water	7732-18-5	ACS
Acetic Acid	64-19-7	ACS
Sodium Hydroxide	1310-73-2	ACS
1,2-Cyclohexylenedimaine Tetraacetic Acid (CDTA)	13291-61-7	ACS
Sodium Chloride	7647-14-5	ACS

Cat. No:	Product Sizes:	Calibration Standards (500ml):
CP-B2613P	1 L Poly Bottle	10 ppm F CP-A1457P
CP-C2613P	4 L Poly Bottle	100 ppm F CP-A1458P
CP-F2613P	10 L Poly Cube	1,000 ppm F CP-A1460P
CP-E2613P	20 L Poly Cube	

This solution provides a uniform ionic strength background, adjusts pH, and breaks up complexes with interfering polyvalent cations such as Aluminum (Al^3) or Ferric (Fe^3) ions for Fluoride Samples and Fluoride Standards in this test method. An equal volume of this buffer solution (usually 25 to 50 milliliters) is added to either the Fluoride Samples or the Fluoride Standards (usually 25 to 50 milliliters) in this test method.

We certify that the above referenced lot of reagent was manufactured per ASTM Standards or Standards Methods, 23rd edition. All glassware complies with Class A tolerance requirements. Balances are calibrated using NIST traceable mass standards. Chemicals used in the product are lot traceable. A quality control testing report is kept for each manufactured lot. NIST STD used N/A.

Matthew Nelson

Matt Nelson, Research Chemist

Important. It is certified that the above is a true copy of the actual lot analysis. To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. The shelf life is based on current knowledge and holds only for proper storage conditions in the original containers. It is the customer's responsibility to inspect and test the products to satisfy use as to the suitability for the customer's particular purpose. This information is not intended to be all inclusive as to the manner and conditions of use, handling, storage, disposal, and other factors that may involve other or additional legal, environmental, safety or performance considerations, and CHEMPURE BRAND CHEMICALS assumes no liability whatsoever for the use of or reliance upon this information. Our technical personnel will be happy to respond to questions. Safe handling and use of the product remain the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, recommendations to infringe any existing patents or to violate any Federal, State, Local or foreign laws. This document was produced electronically and is valid without a signature. ChemPure Quality Management.

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