



CERTIFIED WEIGHT REPORT:

Part Number: 54102
Lot Number: 040826
Description: Fluoride (F)

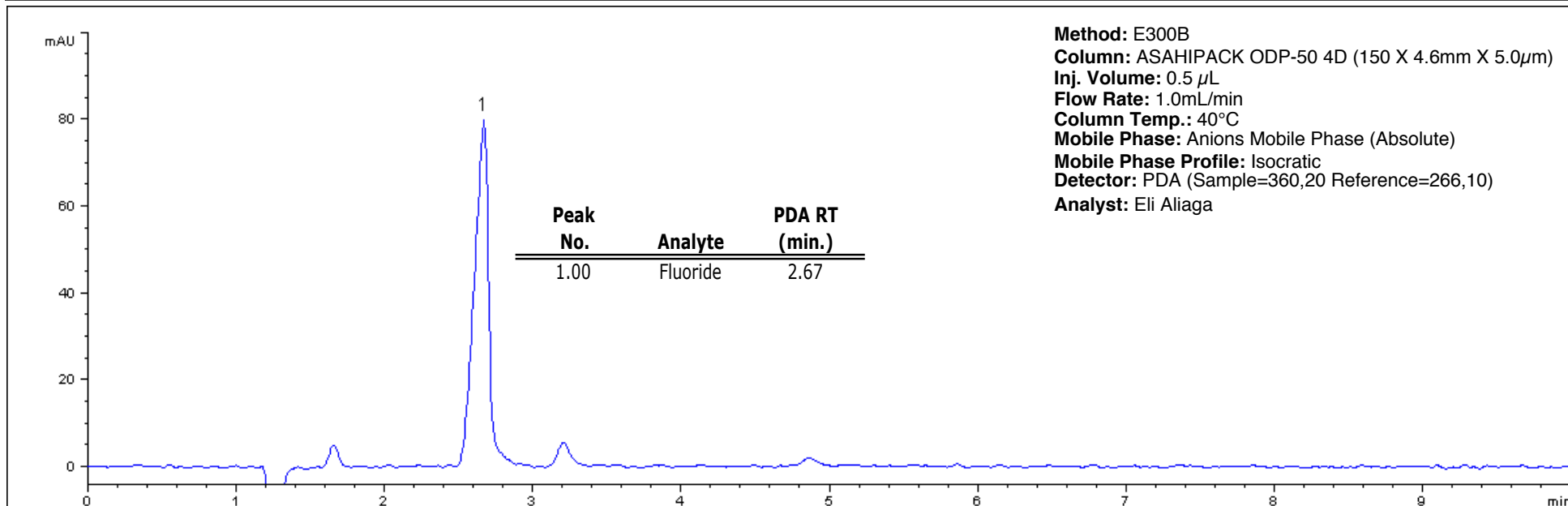
Lot #
Solvent: 040826 ASTM Type 1 Water

Expiration Date: 040829
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 4999.46 0.01 Flask Uncertainty

Formulated By:	Benson Chan	040826
Reviewed By:	Pedro L. Rentas	040826

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information			NIST SRM
											(Solvent safety information on attached page.)	CAS#	OSHA PEL (TWA)	

1. Sodium fluoride (F)	IN125	MKCZ4162	1000	99.9	0.10	45.3	11.0596	11.0599	1000.0	2.0	7681-49-4	2.5 mg/m3	orl-rat 148.5mg/kg	3183
------------------------	-------	----------	------	------	------	------	---------	---------	--------	-----	-----------	-----------	--------------------	------



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware, and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated by an ISO17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).
Rev 1.0, 2/25/2025