

CERTIFIED WEIGHT REPORT:

Part Number: 50057
Lot Number: 071520
Description: Anion Mix #1

4 Components

Expiration Date: 071522
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test Number: 23060

Weights shown below were diluted to (mL): 249.90 0.025 Balance Uncertainty
Flask Uncertainty

Lot # 071520
Solvent: 071520
ASTM Type 1 Water

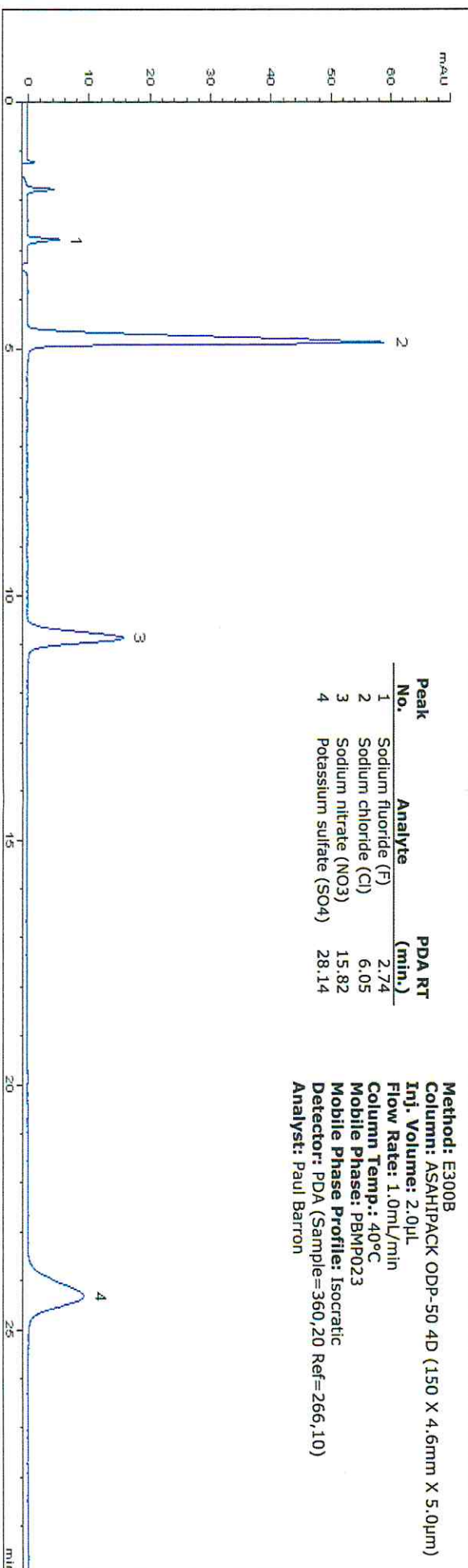
Formulated By:	Lawrence Barry
Reviewed By:	
	Pedro L. Rentas
	071520

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)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Sodium fluoride (F)	IN125	SLBK6258V	50	99.9	0.10	45.3	0.02764	0.02765	50.0	0.2	7681-49-4	NA	NA	3183
2. Sodium chloride (Cl)	IN090	SLBP7184V	2200	99.9	0.10	60.7	0.90663	0.90665	2200.0	4.4	7647-14-5	NA	NA	3182
3. Sodium nitrate (NO3)	IN137	S09D017	1600	99.4	0.10	72.9	0.55148	0.55149	1600.0	3.2	7631-99-4	5 mg/m3	orl-rat 1267 mg/kg	3185
4. Potassium sulfate (SO4)	IN091	MKCG6706	1600	99.1	0.10	55.1	0.73225	0.73227	1600.0	3.3	7778-80-5	NA	orl-rat 6600 mg/kg	3181

Peak No.	Analyte	PDA RT (min.)
1	Sodium fluoride (F)	2.74
2	Sodium chloride (Cl)	6.05
3	Sodium nitrate (NO3)	15.82
4	Potassium sulfate (SO4)	28.14

Method: E300B
Column: ASAHIPACK ODP-50 4D (150 X 4.6mm X 5.0µm)
Inf. Volume: 2.0µL
Flow Rate: 1.0mL/min
Column Temp: 40°C
Mobile Phase: PBMP023
Mobile Phase Profile: Isocratic
Detector: PDA (Sample=360,20 Ref=266,10)
Analyst: Paul Barron



* 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. 550
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (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 Kuyal, 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).