

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

E29X1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-01
% Solids: 84 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1600		11/20/2024	1332
7440-70-2	Calcium	120000	D	11/20/2024	1925
7439-89-6	Iron	7900		11/20/2024	1332
7439-95-4	Magnesium	49000		11/20/2024	1332
7440-09-7	Potassium	130	J	11/20/2024	1332
7440-23-5	Sodium	150	J	11/20/2024	1332

NOTE: Hardness (total) is reported in mg/L

Comments:

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E29X2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-02
% Solids: 83.5 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1700		11/20/2024	1337
7440-70-2	Calcium	190000	D	11/20/2024	1929
7439-89-6	Iron	6900		11/20/2024	1337
7439-95-4	Magnesium	72000		11/20/2024	1337
7440-09-7	Potassium	140	J	11/20/2024	1337
7440-23-5	Sodium	200	J	11/20/2024	1337

NOTE: Hardness (total) is reported in mg/L

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E29X3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-03
% Solids: 84.9 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1300		11/20/2024	1341
7440-70-2	Calcium	130000	D	11/20/2024	1943
7439-89-6	Iron	6700		11/20/2024	1341
7439-95-4	Magnesium	49000		11/20/2024	1341
7440-09-7	Potassium	110	J	11/20/2024	1341
7440-23-5	Sodium	170	J	11/20/2024	1341

NOTE: Hardness (total) is reported in mg/L

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E29X4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-04
% Solids: 87 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1900		11/20/2024	1346
7440-70-2	Calcium	150000	D	11/20/2024	1947
7439-89-6	Iron	7900		11/20/2024	1346
7439-95-4	Magnesium	55000		11/20/2024	1346
7440-09-7	Potassium	170	J	11/20/2024	1346
7440-23-5	Sodium	210	J	11/20/2024	1346

NOTE: Hardness (total) is reported in mg/L

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E29X5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-05
% Solids: 74.9 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	2100		11/20/2024	1350
7440-70-2	Calcium	130000	D	11/20/2024	1952
7439-89-6	Iron	8300		11/20/2024	1350
7439-95-4	Magnesium	38000		11/20/2024	1350
7440-09-7	Potassium	140	J	11/20/2024	1350
7440-23-5	Sodium	190	J	11/20/2024	1350

NOTE: Hardness (total) is reported in mg/L

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E29X6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-08
% Solids: 81.7 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1900		11/20/2024	1409
7440-70-2	Calcium	160000	D	11/20/2024	2010
7439-89-6	Iron	6300		11/20/2024	1409
7439-95-4	Magnesium	50000		11/20/2024	1409
7440-09-7	Potassium	110	J	11/20/2024	1409
7440-23-5	Sodium	200	J	11/20/2024	1409

NOTE: Hardness (total) is reported in mg/L

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E29X7

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-09
% Solids: 92.9 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1300		11/20/2024	1413
7440-70-2	Calcium	130000	D	11/20/2024	2014
7439-89-6	Iron	5500		11/20/2024	1413
7439-95-4	Magnesium	42000		11/20/2024	1413
7440-09-7	Potassium	150	J	11/20/2024	1413
7440-23-5	Sodium	160	J	11/20/2024	1413

NOTE: Hardness (total) is reported in mg/L

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E29X8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-10
% Solids: 83.3 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1800		11/20/2024	1418
7440-70-2	Calcium	110000	D	11/20/2024	2018
7439-89-6	Iron	5800		11/20/2024	1418
7439-95-4	Magnesium	38000		11/20/2024	1418
7440-09-7	Potassium	100	J	11/20/2024	1418
7440-23-5	Sodium	140	J	11/20/2024	1418

NOTE: Hardness (total) is reported in mg/L

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E29X9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-11
% Solids: 50.8 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6100		11/20/2024	1422
7440-70-2	Calcium	66000		11/20/2024	1422
7439-89-6	Iron	10000		11/20/2024	1422
7439-95-4	Magnesium	27000		11/20/2024	1422
7440-09-7	Potassium	460	J	11/20/2024	1422
7440-23-5	Sodium	760	U	11/20/2024	1422

NOTE: Hardness (total) is reported in mg/L

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E29Y0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-12
% Solids: 89.7 Date Received: 11/15/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	3100		11/20/2024	1427
7440-70-2	Calcium	86000	D	11/20/2024	2023
7439-89-6	Iron	9400		11/20/2024	1427
7439-95-4	Magnesium	31000		11/20/2024	1427
7440-09-7	Potassium	580		11/20/2024	1427
7440-23-5	Sodium	160	J	11/20/2024	1427

NOTE: Hardness (total) is reported in mg/L

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E29Y1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-13
% Solids: 76.1 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1800		11/20/2024	1431
7440-70-2	Calcium	91000	D	11/20/2024	2027
7439-89-6	Iron	6000		11/20/2024	1431
7439-95-4	Magnesium	33000		11/20/2024	1431
7440-09-7	Potassium	120	J	11/20/2024	1431
7440-23-5	Sodium	180	J	11/20/2024	1431

NOTE: Hardness (total) is reported in mg/L

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E29Y2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-14
% Solids: 89 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1400		11/20/2024	1436
7440-70-2	Calcium	96000	D	11/20/2024	2032
7439-89-6	Iron	5800		11/20/2024	1436
7439-95-4	Magnesium	35000		11/20/2024	1436
7440-09-7	Potassium	160	J	11/20/2024	1436
7440-23-5	Sodium	170	J	11/20/2024	1436

NOTE: Hardness (total) is reported in mg/L

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E29Y3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-15
% Solids: 89 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	2600		11/20/2024	1450
7440-70-2	Calcium	110000	D	11/20/2024	2036
7439-89-6	Iron	9400		11/20/2024	1450
7439-95-4	Magnesium	40000		11/20/2024	1450
7440-09-7	Potassium	420		11/20/2024	1450
7440-23-5	Sodium	170	J	11/20/2024	1450

NOTE: Hardness (total) is reported in mg/L

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E29Y4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-16
% Solids: 83.4 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1600		11/20/2024	1454
7440-70-2	Calcium	71000	D	11/20/2024	2041
7439-89-6	Iron	5600		11/20/2024	1454
7439-95-4	Magnesium	24000		11/20/2024	1454
7440-09-7	Potassium	170	J	11/20/2024	1454
7440-23-5	Sodium	120	J	11/20/2024	1454

NOTE: Hardness (total) is reported in mg/L

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E29Y5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-17
% Solids: 83.9 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	2000		11/20/2024	1459
7440-70-2	Calcium	89000	D	11/20/2024	2045
7439-89-6	Iron	7000		11/20/2024	1459
7439-95-4	Magnesium	30000		11/20/2024	1459
7440-09-7	Potassium	180	J	11/20/2024	1459
7440-23-5	Sodium	160	J	11/20/2024	1459

NOTE: Hardness (total) is reported in mg/L

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E29Y6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-20
% Solids: 88.2 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	2200		11/20/2024	1512
7440-70-2	Calcium	130000	D	11/20/2024	2059
7439-89-6	Iron	8800		11/20/2024	1512
7439-95-4	Magnesium	44000		11/20/2024	1512
7440-09-7	Potassium	220	J	11/20/2024	1512
7440-23-5	Sodium	150	J	11/20/2024	1512

NOTE: Hardness (total) is reported in mg/L

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E29Y7

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-21
% Solids: 77.8 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	3200		11/20/2024	1517
7440-70-2	Calcium	77000		11/20/2024	1517
7439-89-6	Iron	8900		11/20/2024	1517
7439-95-4	Magnesium	27000		11/20/2024	1517
7440-09-7	Potassium	190	J	11/20/2024	1517
7440-23-5	Sodium	150	J	11/20/2024	1517

NOTE: Hardness (total) is reported in mg/L

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E29Y9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-18
% Solids: 83.3 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1400		11/20/2024	1503
7440-70-2	Calcium	120000	D	11/20/2024	2050
7439-89-6	Iron	5800		11/20/2024	1503
7439-95-4	Magnesium	42000		11/20/2024	1503
7440-09-7	Potassium	130	J	11/20/2024	1503
7440-23-5	Sodium	150	J	11/20/2024	1503

NOTE: Hardness (total) is reported in mg/L

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E29Z0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-19
% Solids: 82.4 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1500		11/20/2024	1508
7440-70-2	Calcium	140000	D	11/20/2024	2054
7439-89-6	Iron	6100		11/20/2024	1508
7439-95-4	Magnesium	52000		11/20/2024	1508
7440-09-7	Potassium	110	J	11/20/2024	1508
7440-23-5	Sodium	180	J	11/20/2024	1508

NOTE: Hardness (total) is reported in mg/L

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E2A11

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51878 MA No. : SDG No.: E29X3
Matrix: SOIL Lab Sample ID: P4879-22
% Solids: 79.3 Date Received: 11/16/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1800		11/20/2024	1522
7440-70-2	Calcium	100000	D	11/20/2024	2104
7439-89-6	Iron	6100		11/20/2024	1522
7439-95-4	Magnesium	41000		11/20/2024	1522
7440-09-7	Potassium	180	J	11/20/2024	1522
7440-23-5	Sodium	180	J	11/20/2024	1522

NOTE: Hardness (total) is reported in mg/L

Comments:
