Analytical Lab
Maine Soil Testing Service

THE UNIVERSITY OF MAINE

5722 Deering Hall
Orono, Maine 04469-5722
Tel: 207-581-2917
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https://umaine.edu/soiltestinglab/

Syed Dong
Black Earth Compost

Date: 3/26/25

Date received: 2/18/25

Job # 228

Sample type: Compost

Sample ID	As mg/kg	Cd mg/kg	Cr mg/kg	Cu mg/kg	Ni mg/kg	Pb mg/kg	Zn mg/kg
Manchester	5.65	< 2.0	10.6	32.3	7.9	49.4	120
Framingham	3.48	< 2.0	6.6	29.4	11.5	21.3	93.1
Groton	6.16	< 2.0	14.7	36.5	13.6	55.7	158

Reported on a dry weight basis.

EPA Method 3050b and analyzed by ICP-OES.

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Suzanne Perron
Assistant Chemist

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Compost Analysis Report

From: SYED DONG/ BLACK EARTH COMPOST

Job# 228
Date Received: 02/18/25
Report Date: 03/26/25

Sample type: Compost

Sample Name: Manchester

STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		47.6	
Total Carbon (%)	18.4	8.7	175
Total Nitrogen (%)	1.22	0.58	11.63
Potassium (%)	0.48	0.23	K2O = 5.55
Phosphorus (%)	0.31	0.15	P2O5 = 6.83
Volatile Solids (%)	35.8	17.1	
pH		7.2	
Bulk Density (lbs/cu yd)		910	
Conductivity (mmhos/cm)		3.2	

EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	17.6	8.39	0.02
Calcium (%)	2.30	1.10	21.9
Copper (ppm)	19.3	9.22	0.02
Iron (ppm)	9240	4400	8.80
Magnesium (%)	0.380	0.180	3.57
Manganese (ppm)	353	168	0.34
Sodium (%)	0.160	0.080	1.52
Zinc (ppm)	123	58.4	0.12

MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
C:N Ratio		15.1	
NH4-N (ppm)	157	74.8	0.15
NO3-N (ppm)	52.70	25.1	0.05

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Compost Analysis Report

From: SYED DONG/ BLACK EARTH COMPOST

Job# 228
Date Received: 02/18/25
Report Date: 03/26/25

Sample type: Compost

Sample Name: Framingham

STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		40.9	
Total Carbon (%)	22.5	9.2	184
Total Nitrogen (%)	1.46	0.60	11.95
Potassium (%)	0.56	0.23	K2O = 5.57
Phosphorus (%)	0.29	0.12	P2O5 = 5.40
Volatile Solids (%)	40.4	16.6	
pH		6.4	
Bulk Density (lbs/cu yd)		830	
Conductivity (mmhos/cm)		5.9	

EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	15.9	6.52	0.01
Calcium (%)	1.80	0.740	14.8
Copper (ppm)	17.1	7.01	0.01
Iron (ppm)	7590	3110	6.22
Magnesium (%)	0.390	0.160	3.17
Manganese (ppm)	278	114	0.23
Sodium (%)	0.170	0.070	1.42
Zinc (ppm)	89.1	36.5	0.07

MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
C:N Ratio		15.4	
NH4-N (ppm)	338	138	0.28
NO3-N (ppm)	1074	440	0.88

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Compost Analysis Report

From: SYED DONG/ BLACK EARTH COMPOST

Job# 228
Date Received: 02/18/25
Report Date: 03/26/25

Sample type: Compost

Sample Name: Groton

STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		46.7	
Total Carbon (%)	21.8	10.1	203
Total Nitrogen (%)	1.88	0.88	17.56
Potassium (%)	0.72	0.34	K2O = 8.13
Phosphorus (%)	0.31	0.15	P2O5 = 6.65
Volatile Solids (%)	41.6	19.4	
pH		6.6	
Bulk Density (lbs/cu yd)		840	
Conductivity (mmhos/cm)		6.1	

EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	28.1	13.1	0.03
Calcium (%)	2.60	1.20	24.6
Copper (ppm)	20.0	9.33	0.02
Iron (ppm)	8350	3900	7.80
Magnesium (%)	0.460	0.210	4.30
Manganese (ppm)	376	175	0.35
Sodium (%)	0.210	0.100	2.00
Zinc (ppm)	142	66.1	0.13

MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
C:N Ratio		11.6	
NH4-N (ppm)	18.50	8.64	0.02
NO3-N (ppm)	1098	513	1.03

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