



Compost Analysis Report

Analytical Lab
5722 Deering Hall
Orono, ME 04469-5722
(207) 581-2917

From: SYED DONG/ BLACK EARTH COMPOST
2 HILLSIDE RD
GLOUCESTER MA 01930

Job# 7
Date Received: 01/11/24
Report Date: 02/23/24

Sample type: Compost

Sample Name: 030 Manch

STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		42.1	
Total Carbon (%)	21.4	9.0	180
Total Nitrogen (%)	1.26	0.53	10.62
Potassium (%)	0.51	0.21	K2O = 5.20
Phosphorus (%)	0.24	0.10	P2O5 = 4.57
Volatile Solids (%)	43.1	18.2	
pH		7.7	
Bulk Density (lbs/cu yd)		970	
Conductivity (mmhos/cm)		6.4	

EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	36.5	15.4	0.03
Calcium (%)	1.60	0.660	13.1
Copper (ppm)	20.9	8.82	0.02
Iron (ppm)	7350	3100	6.20
Magnesium (%)	0.240	0.100	2.04
Manganese (ppm)	223	93.8	0.19
Sodium (%)	0.180	0.080	1.53
Zinc (ppm)	87.0	36.7	0.07

MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Stability (Dewar Rating)		Very stable	
C:N Ratio		17.0	
NH4-N (ppm)	1374	579	1.16
NO3-N (ppm)	186	78.4	0.16

Suzanne Perron (Assistant Chemist)



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Job# 7
Date Received: 01/11/24
Report Date: 02/23/24

Sample type: Compost

Sample Name: 060 Grot

STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		46.6	
Total Carbon (%)	15.9	7.4	148
Total Nitrogen (%)	1.44	0.67	13.43
Potassium (%)	0.50	0.23	K2O = 5.62
Phosphorus (%)	0.22	0.10	P2O5 = 4.66
Volatile Solids (%)	38.8	18.1	
pH		7.3	
Bulk Density (lbs/cu yd)		920	
Conductivity (mmhos/cm)		3.9	

EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	42.9	20.0	0.04
Calcium (%)	2.00	0.910	18.2
Copper (ppm)	24.3	11.3	0.02
Iron (ppm)	8650	4040	8.07
Magnesium (%)	0.330	0.160	3.12
Manganese (ppm)	264	123	0.25
Sodium (%)	0.160	0.070	1.48
Zinc (ppm)	134	62.5	0.12

MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Stability (Dewar Rating)		Very stable	
C:N Ratio		11.0	
NH4-N (ppm)	17.60	8.21	0.02
NO3-N (ppm)	125	58.3	0.12

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GLOUCESTER MA 01930

Job# 7
Date Received: 01/11/24
Report Date: 02/23/24

Sample type: Compost

Sample Name: 090 Fram

STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		41.2	
Total Carbon (%)	17.3	7.1	142
Total Nitrogen (%)	1.17	0.48	9.65
Potassium (%)	0.31	0.13	K2O = 3.06
Phosphorus (%)	0.28	0.11	P2O5 = 5.23
Volatile Solids (%)	33.5	13.8	
pH		7.0	
Bulk Density (lbs/cu yd)		1090	
Conductivity (mmhos/cm)		1.8	

EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	39.4	16.2	0.03
Calcium (%)	1.80	0.730	14.5
Copper (ppm)	26.1	10.8	0.02
Iron (ppm)	8320	3430	6.86
Magnesium (%)	0.290	0.120	2.36
Manganese (ppm)	265	109	0.22
Sodium (%)	0.070	0.030	0.58
Zinc (ppm)	79.3	32.7	0.07

MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Stability (Dewar Rating)		Very stable	
C:N Ratio		14.8	
NH4-N (ppm)	2.14	0.883	< 0.01
NO3-N (ppm)	189	78.0	0.16



Suzanne Perron (Assistant Chemist)