



# Compost Analysis Report

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

From: BOB SPENCER/ WINDHAM SOLID WASTE MGT DIST  
327 OLD FERRY RD  
BRATTLEBORO VT 05301

Job# 337  
Date Received: 03/09/20  
Report Date: 04/03/20

Sample type: Compost

Sample Name: 3/8"

## STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		57.1	
Total Carbon (%)	12.5	7.1	142
Total Nitrogen (%)	0.89	0.51	10.17
Potassium (%)	0.17	0.10	K2O = 2.34
Phosphorus (%)	0.19	0.11	P2O5 = 5.07
Volatile Solids (%)	23.1	13.2	
pH		7.4	
Bulk Density (lbs/cu yd)		1130	
Conductivity (mmhos/cm)		0.9	

## EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	57.3	32.7	0.07
Calcium (%)	3.40	1.90	38.7
Copper (ppm)	53.3	30.5	0.06
Iron (ppm)	13500	7690	15.38
Magnesium (%)	0.430	0.250	4.95
Manganese (ppm)	240	137	0.27
Sodium (%)	0.040	0.020	0.46
Zinc (ppm)	97.9	55.9	0.11

## MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Stability (Dewar Rating)		Very stable	
C:N Ratio		14.0	
NH4-N (ppm)	0.03	0.017	< 0.01
NO3-N (ppm)	79.90	45.6	0.09

Suzanne Perron (Assistant Chemist)



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BRATTLEBORO VT 05301

Job# 337  
Date Received: 03/09/20  
Report Date: 04/03/20

Sample type: Compost

Sample Name: 1/2"

## STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		52.0	
Total Carbon (%)	16.7	8.6	173
Total Nitrogen (%)	1.12	0.58	11.66
Potassium (%)	0.14	0.07	K2O = 1.74
Phosphorus (%)	0.18	0.09	P2O5 = 4.29
Volatile Solids (%)	34.1	17.8	
pH		7.4	
Bulk Density (lbs/cu yd)		1130	
Conductivity (mmhos/cm)		0.6	

## EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	37.4	19.4	0.04
Calcium (%)	2.70	1.40	27.6
Copper (ppm)	40.9	21.3	0.04
Iron (ppm)	8800	4580	9.16
Magnesium (%)	0.340	0.180	3.51
Manganese (ppm)	200	104	0.21
Sodium (%)	0.030	0.010	0.27
Zinc (ppm)	127	66.1	0.13

## MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Stability (Dewar Rating)		Very stable	
C:N Ratio		14.9	
NH4-N (ppm)	0.26	0.135	< 0.01
NO3-N (ppm)	36.50	19.0	0.04

Suzanne Perron (Assistant Chemist)