

REPORT TO: CHRIS KERR

LAB NO: 25902

BILL TO: COLORADO MATERIALS  
P.O. BOX 1092  
LONGMONT CO 80502

DATE RCVD: 7/28/09

REPORTED: 8/18/09

PROJECT:


PO NO.:

SAMPLE ID: <b>CMI ORGANICS</b>		SAMPLE DATE: 7/27/09		TMECC
MATRIX: COMPOST				METHOD
	AS RECEIVED BASIS	DRY MATTER BASIS		
TOTAL SOLIDS (%)	62.52	100.00		03.09-A
MOISTURE (%)	37.48	0.00		03.09-A
ORGANIC MATTER (%)	15.85	25.35		05.07-A
BULK DENSITY (LBS/CU YD)	1,533	959		SSSA
ASH (%)	46.67	74.65		05.07-A
SOLUBLE SALTS 1:5 (MMHOS/CM)	4.88	-		04-10-A
pH 1:5 (UNITS)	8.41	-		04-11-A

TOTAL NITROGEN (%)	0.836	1.338	04.02-D
ORGANIC NITROGEN (%)	0.781	1.250	CALC
AMMONIA NITROGEN (%)	0.0033	0.005	04.02-C
AMMONIA NITROGEN (PPM)	33.1	53.0	04.02-C
NITRATE NITROGEN (%)	0.0519	0.0830	04.02-B
NITRATE NITROGEN (PPM)	518.7	829.8	04.02-B
TOTAL PHOSPHORUS AS P (%)	0.364	0.582	04.03-A
TOTAL PHOSPHORUS AS P2O5 (%)	0.837	1.339	04.03-A
TOTAL POTASSIUM AS K (%)	0.994	1.591	04.04-A
TOTAL POTASSIUM AS K2O (%)	1.193	1.909	04.04-A
TOTAL CALCIUM (%)	1.734	2.774	04.05-Ca
TOTAL MAGNESIUM (%)	0.528	0.845	04.05-Mg
TOTAL COPPER (PPM)	99.7	159.5	04.06-Cu
TOTAL IRON (PPM)	5608.6	8971.5	04.05-Fe
TOTAL MANGANESE (PPM)	130.0	208.0	04.06-Mn
TOTAL ZINC (PPM)	89.3	142.8	04.06-Zn
SULFATE AS SO4 (PPM)	2,815.0	4,502.8	04.05-S
BORON (PPM)	37.6	60.2	04.05-B
SODIUM (%)	0.332	0.531	04.05-Na
CHLORIDE (%)	0.304	0.487	04.05-Cl
AG INDEX	4.5	4.5	CALC
C/N RATIO	10	10	CALC
AMMONIA-N/NITRATE-N RATIO	0.1	0.1	CALC

COLORADO ANALYTICAL LABORATORY IS AN APPROVED TESTING FACILITY FOR THE US COMPOSTING COUNCIL'S SEAL OF TESTING ASSURANCE PROGRAM. SEE THE US COMPOSTING COUNCIL'S WEB SITE AT [WWW.COMPOSTINGCOUNCIL.ORG](http://WWW.COMPOSTINGCOUNCIL.ORG) FOR MORE INFORMATION.

TMECC = "TEST METHODS FOR THE EXAMINATION OF COMPOSTING AND COMPOST"; US COMPOSTING COUNCIL; AUG 2001; W.H. THOMPSON

  
ANALYSIS SUPERVISED BY

  
DATA APPROVED FOR RELEASE BY



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MATRIX: COMPOST

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TMECC  
METHOD

PARTICLE SIZE:

02.02-B

SCREEN SIZE(mm)	PERCENT RETAINED:	PERCENT PASSING:
2" (50 mm)	0.0	100.0
1" (25 mm)	0.0	100.0
5/8" (16 mm)	2.0	98.0
3/8" (9.5 mm)	7.5	90.5
1/4" (6.3 mm)	10.6	79.8
#5 (4.0 mm)	9.5	70.3
#10 (2.0 mm)	33.8	36.6
<2.0 mm	36.6	0.0

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MATRIX: COMPOST	AS RECEIVED BASIS		DRY WEIGHT BASIS	
ARSENIC (MG/KG)	0.9	1.4	04.06/ 7060	
CADMIUM (MG/KG)	0.3	0.4	04.06/ 7130	
CHROMIUM (MG/KG)	4.3	6.9	04.06/ 7190	
COPPER (MG/KG)	99.7	159.5	04.06/ 7210	
LEAD(MG/KG)	3.5	5.6	04.06/ 7420	
MERCURY (MG/KG)	<.2	<.2	04.06/ 7471	
MOLYBDENUM (MG/KG)	0.6	1.0	04.06/ 7480	
NICKEL (MG/KG)	6.0	9.6	04.06/ 7520	
SELENIUM (MG/KG)	0.1	0.2	04.06/ 7740	
ZINC (MG/KG)	89.3	142.8	04.06/ 7950	
PASS/ FAIL - USEPA CLASS A METALS STD	-	PASS	-	

FECAL COLIFORM (MPN/G)	-	<10	07.01-B
PASS/ FAIL - USEPA CLASS A PATHOGEN STD	-	PASS	-

GERMINATION - CUCUMBER			
PERCENT EMERGENCE (% OF CONTROL)	75.0	-	05-05-A
RELATIVE SEEDLING VIGOR (% OF CONTROL)	80.0	-	05-05-A
GERMINATION - RED CLOVER (CLOPYRALID SENSITIVE PLANTS)			
PERCENT EMERGENCE (% OF CONTROL)	0.0	-	CAL - 100% SA
RELATIVE SEEDLING VIGOR (% OF CONTROL)	0.0	-	CAL - 100% SA

CARBON DIOXIDE EVOLUTION RATE:			
MG CO2 - C/g OM/ DAY	0.42	-	05.08-B
MG CO2 - C/g TS/ DAY	0.17	-	05.08-B
STABILITY RATING:	VERY STABLE	-	
TEST CONDITIONS:			
INCUBATION PERIOD (HRS)	72	-	
INCUBATION TEMPERATURE (°C)	34	-	
ADJUSTED MOISTURE CONTENT	37.9	-	

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