

A. Maximum Concentrations for Trace Metals In Compost:

Trace Elements	Test Results (ug/g)	Category A	Category B
		Maximum Concentration within Product (mg/kg dryweight)	
Arsenic (As)	4.01	13	75
Cadmium (Cd)	BDL*	3	20
Chromium (Cr)	12.88	210	**
Cobalt (Co)	3.18	34	150
Copper (Cu)	31.45	400	**
Lead (Pb)	17.80	150	500
Mercury (Hg)	0.23	0.8	5
Molybdenum (Mo)	1.10	5	20
Nickel (Ni)	9.88	62	180
Selenium (Se)	BDL*	2	14
Zinc (Zn)	94.50	700	1850

**Upper limits are not established in the Trade Memorandum.

B. Foreign Matter In Compost:

Test Results		Category A	Category B
Foreign Matter		Contains no more than 1 piece of foreign matter >25mm/500ml	Contains no more than 2 pieces of foreign matter > 25mm/500mL
Pieces >25mm/500mL	1		
Sharp Foreign Matter		No sharp foreign matter >3mm per 500ml	No more than 3 pieces of sharp matter < 12.5mm/500mL Note: This compost shall not be used in pastures, parks, or residential
Pieces > 3mm/500mL	0		
Pieces > 12.5mm/500mL	0		

C. Maturity/Stability:

Method	Test Results	Required Limits
CO₂ Respiration Rate CO ₂ Respiration Rate	0.90	≤ 4 mg of carbon in the form of carbon dioxide per gram of organic matter per day
O₂ Uptake Respiration Rate O ₂ Uptake Respiration Rate		≤ 400 mg oxygen/kg of volatile solids (or organic matter)/hour

D. Pathogens:

Pathogen	Test Results	Required Limits
Fecal Coliform (MPN/g dry)	12	<1000 MPN/g of total solids calculated on a dry weight basis
Salmonella (P-4/25g(ml))	NEGATIVE	<3 MPN/4 g total solids calculated on a dry weight basis

*The following references are from the CCME guidelines (PN1340), October 2005

*BDL = Below Detectable Limits

E. CFIA

Parameter	Test Results
Total Organic Matter (%)	30.88%
Molsture (%)	25.11%

Agricultural End-Use	Analysis Result	Unit	Quantity In lbs/Ton
Physioal Parameters			
Dry Matter	74.89%	%	
pH	7.9		
Bulk Density	554	kg/m ³	
C:N Ratio	11:1		
Fertilizer Equivalent Minerals			
Nitrogen Total	1.75%	%	35.0
Ammonium Nitrogen	321.44	ppm	0.64
Total Phosphate (P as P ₂ O ₅)	0.40%	%	8.0
Total Potash (K as K ₂ O)	0.81%	%	16.2
Calcium	5.51%	%	110.2
Magnesium	2.41%	%	48.2
Sulfur	1625.86	ppm	3.3