



## Appendix I CFIA Fertilizer Act & Regulations:

Alberta, Manitoba, New Brunswick, Nova Scotia, Newfoundland, Prince Edward Island & Territories

### A. Maximum Concentrations for Trace Metals- Canada †

Trace Elements	Test Results (ug/g)	CCME Canada		CFIA
		Category A (ug/g)	Category B Restricted use (ug/g)	acceptable cumulative (kg/ha)
Arsenic (As)		13	75	15
Cadmium (Cd)		3	20	4
Chromium (Cr)		310	No limit	210
Cobalt (Co)		34	150	30
Copper (Cu)		400	No limit	150
Lead (Pb)		150	500	100
Mercury (Hg)		0.08	5	1
Molybdenum (Mo)		5	20	4
Nickel (Ni)		62	180	36
Selenium (Se)		2	14	2.8
Zinc (Zn)		700	1850	370

† CFIA T-4-93 Safety Guidelines for Fertilizers and Supplements

### B. Foreign Matter - Canada

Foreign Matter	Test Results	
Total Foreign Matter		
Total Plastics		
Pieces < 25mm		

### C. Pathogens - Canada †

Pathogen	Test Results	CCME	CFIA
Fecal coliform		<1000 MPN/g dry	<1000 MPN/g dry
Salmonella		<3 MPN/4g day	Not detectable

† CFIA T-4-93 Safety Guidelines for Fertilizers and Supplements

### D. Physical Parameters

Physical Parameter	Test Results	Units	
Organic Matter		%DM	
Bulk density		kg/m <sup>3</sup>	
Moisture content		%	



## Appendix II

### Finished Digestate Quality



Minimum Agricultural Values	Test Results	
Plant available N (NH <sub>4</sub> -N)		
Plant available phosphate		
Plant available potassium		

Agricultural End-Use	Test Results	Unit	Quantity in lbs/ton			
			kg/mt	lb/ton	kg/L	lbs/1000gal
Physical Parameters						
Dry Matter		%				
pH						
C:N Ratio						
SAR						
Soluble salts		ms/cm				
Fertilizer Equivalent Minerals						
Nitrogen Total (N)		%	0.00	0.00	0.00	0.00
Ammonium Nitrogen (NH <sub>4</sub> -N)		ppm	0.00	0.00	0.00	0.00
Nitrate Nitrogen (NO <sub>3</sub> -N)		ppm	0.00	0.00	0.00	0.00
Total Phosphate (P as P <sub>2</sub> O <sub>5</sub> )		%	0.00	0.00	0.00	0.00
Total Potassium (K as K <sub>2</sub> O)		%	0.00	0.00	0.00	0.00
Available Sodium (Na)		%	0.00	0.00	0.00	0.00
Total Sodium (Na)		%	0.00	0.00	0.00	0.00
Available (Mg)		%	0.00	0.00	0.00	0.00
Total Magnesium (Mg)		%	0.00	0.00	0.00	0.00
Available (Ca)		%	0.00	0.00	0.00	0.00
Total Calcium (Ca)		%	0.00	0.00	0.00	0.00
Available (S)		ppm	0.00	0.00	0.00	0.00
Total Sulfur (S)		ppm	0.00	0.00	0.00	0.00
Total Boron (B)		ppm	0.00	0.00	0.00	0.00
Total Chloride (Cl)		ppm	0.00	0.00	0.00	0.00
Total Copper (Cu)		ppm	0.00	0.00	0.00	0.00
Total Iron (Fe)		ppm	0.00	0.00	0.00	0.00
Total Manganese (Mn)		ppm	0.00	0.00	0.00	0.00
Total Molybdenum (Mo)		ppm	0.00	0.00	0.00	0.00
Total Zinc (Zn)		ppm	0.00	0.00	0.00	0.00



