

DATE: September 23, 2024
 REPORT No: 110491
 GROWER: Perfect Blend
 CLIENT: Perfect Blend LLC
 CONSULTANT: Lalaiaia Chapman
 SAMPLE DATE: 9/6/2024
 SAMPLE NAME: PBO 1300 D24-054
 SAMPLE ID: 9/6/2024
 SAMPLE TYPE: Fertilizer-Dry
 LAB No: 8768



Heavy Metal Analysis Report

Analyte	Results		PQL	Method
		Units		
Arsenic (As)	<0.01	mg/kg	0.01	EPA 6010D/3050B
Cadmium (Cd)	<0.005	mg/kg	0.005	EPA 6010D/3050B
Cobalt (Co)	<0.5	mg/kg	0.50	EPA 6010D/3050B
Lead (Pb)	4.090	mg/kg	0.015	EPA 6010D/3050B
Molybdenum (Mo)	<0.01	mg/kg	0.01	EPA 6010D/3050B
Nickel (Ni)	<0.02	mg/kg	0.02	EPA 6010D/3050B
Selenium (Se)	11.890	mg/kg	0.02	EPA 6010D/3050B
Zinc (Zn)	186.740	mg/kg	0.02	EPA 6010D/3050B

Note 1% = 10,000 mg/kg

PQL refers to the Practical Quantitation Limit

Mercury Analysis performed by Anatek Labs

Main Office: 119 E Main St., Othello WA, 99344
Oregon Office: 1300 Sixth St., Suite J, Umatilla OR, 97882
 ☎ (509) 488-0112 ✉ info@kuotestinglabs.com

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Fertilizer Analysis Report

Analyte	Results (As Is basis)				Results (Dry weight basis)		Method
	(Mass Basis)		(Application Basis)				
Bulk Density			4494.38	Yd/Ton	0.45	Lb/Yd ³	ASTM D5057
pH	5.80		—		—		EPA 9045D
Total Solids	93.7	%	—		—		EPA 1684
Moisture	6.26	%	—		—		
Total Nitrogen (N)	13.6	%	272	lbs/ton	14.5	%	AOAC 990.3
Nitrate as Nitrogen (NO3-N)	7.30	mg/kg	0.01	lbs/ton	7.79	mg/kg	EPA 1686
Ammonium as Nitrogen (NH4-N)	1562	mg/kg	3.12	lbs/ton	1666	mg/kg	EPA 1690
Phosphorus (P)	0.28	%	5.65	lbs/ton	0.30	%	EPA 6010D
Phosphorus (as P2O5)	0.65	%	12.9	lbs/ton	0.69	%	
Potassium (K)	0.11	%	2.20	lbs/ton	0.12	%	EPA 6010D
Potassium (as K2O)	0.13	%	2.64	lbs/ton	0.14	%	
Sulfur (S)	2.02	%	40.4	lbs/ton	2.16	%	EPA 6010D
Calcium (Ca)	0.54	%	10.8	lbs/ton	0.58	%	EPA 6010D
Magnesium (Mg)	0.06	%	1.28	lbs/ton	0.07	%	EPA 6010D
Sodium (Na)	0.10	%	2.10	lbs/ton	0.11	%	EPA 6010D
Zinc (Zn)	134	mg/kg	0.27	lbs/ton	143	mg/kg	EPA 6010D
Manganese (Mn)	34.1	mg/kg	0.07	lbs/ton	36.4	mg/kg	EPA 6010D
Copper (Cu)	32.9	mg/kg	0.07	lbs/ton	35.1	mg/kg	EPA 6010D
Iron (Fe)	444	mg/kg	0.89	lbs/ton	474	mg/kg	EPA 6010D
Boron (B)	34.5	mg/kg	0.07	lbs/ton	36.8	mg/kg	EPA 6010D
Chloride (Cl)	1312	mg/kg	2.62	lbs/ton	1400	mg/kg	EPA 9212
Aluminum (Al)	23.39	mg/kg	0.05	lbs/ton	25	mg/kg	EPA 6010D

Note 1% = 10,000 mg/kg

Application basis is calculated based on a conversion factor 1% = 20 lbs/ton

To convert phosphorus as P2O5 to elemental phosphorus, divide by 2.29. To convert potassium as K2O into elemental K, divide by 1.20