

DATE: September 23, 2024
 REPORT No: 110491
 GROWER: Perfect Blend
 CLIENT: Perfect Blend LLC
 CONSULTANT: Lalinia Chapman
 SAMPLE DATE: 9/6/2024
 SAMPLE NAME: **PBO 633 D24-058**
 SAMPLE ID: 9/6/2024
 SAMPLE TYPE: Fertilizer-Dry
 LAB No: 8771



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)	71.810	mg/kg	0.015	EPA 6010D/3050B
Molybdenum (Mo)	4.000	mg/kg	0.01	EPA 6010D/3050B
Nickel (Ni)	<0.02	mg/kg	0.02	EPA 6010D/3050B
Selenium (Se)	<0.02	mg/kg	0.02	EPA 6010D/3050B
Zinc (Zn)	323.050	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			2967.36	Yd/Ton	0.67	Lb/Yd ³	ASTM D5057
pH	6.00		—		—		EPA 9045D
Total Solids	92.2	%	—		—		EPA 1684
Moisture	7.82	%	—		—		
Total Nitrogen (N)	7.40	%	148	lbs/ton	8.03	%	AOAC 990.3
Nitrate as Nitrogen (NO3-N)	7.90	mg/kg	0.02	lbs/ton	8.57	mg/kg	EPA 1686
Ammonium as Nitrogen (NH4-N)	3584	mg/kg	7.17	lbs/ton	3888	mg/kg	EPA 1690
Phosphorus (P)	3.17	%	43.4	lbs/ton	2.36	%	EPA 6010D
Phosphorus (as P2O5)	4.97	%	99.5	lbs/ton	5.39	%	
Potassium (K)	3.56	%	31.2	lbs/ton	1.69	%	EPA 6010D
Potassium (as K2O)	3.87	%	37.5	lbs/ton	2.03	%	
Sulfur (S)	1.20	%	24.0	lbs/ton	1.30	%	EPA 6010D
Calcium (Ca)	14.8	%	296	lbs/ton	16.1	%	EPA 6010D
Magnesium (Mg)	0.50	%	10.1	lbs/ton	0.55	%	EPA 6010D
Sodium (Na)	0.35	%	7.06	lbs/ton	0.38	%	EPA 6010D
Zinc (Zn)	323	mg/kg	0.65	lbs/ton	350	mg/kg	EPA 6010D
Manganese (Mn)	221	mg/kg	0.44	lbs/ton	240	mg/kg	EPA 6010D
Copper (Cu)	49.3	mg/kg	0.10	lbs/ton	53.5	mg/kg	EPA 6010D
Iron (Fe)	734	mg/kg	1.47	lbs/ton	796	mg/kg	EPA 6010D
Boron (B)	52.2	mg/kg	0.10	lbs/ton	56.6	mg/kg	EPA 6010D
Chloride (Cl)	5607	mg/kg	11.2	lbs/ton	6082	mg/kg	EPA 9212
Aluminum (Al)	274.70	mg/kg	0.55	lbs/ton	298	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