

DATE: September 18, 2024
 REPORT No. 110670
 GROWER: Perfect Blend
 CLIENT: Perfect Blend LLC
 CONSULTANT: Lainaia Chapman
 SAMPLE DATE: 9/13/2024
 SAMPLE NAME: **PB 842 w/13 Essential Elements D24-064**
 SAMPLE ID: 9/13/24
 SAMPLE TYPE: Fertilizer-Dry
 Lab No: 8800



Main Office: 119 E Main St., Othello WA, 99344
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Fertilizer Analysis Report

Analyte	Results (As Is basis)				Results (Dry weight basis)		Method
	(Mass Basis)		(Application Basis)				
Bulk Density			2869.44	Yd/Ton	0.70	Lb/Yd ³	ASTM D5057
pH	6.70		—		—		EPA 9045D
Total Solids	94.6	%	—		—		EPA 1684
Moisture	5.42	%	—		—		
Total Nitrogen (N)	10.2	%	204	lbs/ton	10.8	%	AOAC 990.3
Nitrate as Nitrogen (NO3-N)	9.10	mg/kg	0.02	lbs/ton	9.62	mg/kg	EPA 1686
Ammonium as Nitrogen (NH4-N)	1883	mg/kg	3.77	lbs/ton	1991	mg/kg	EPA 1690
Phosphorus (P)	1.67	%	33.4	lbs/ton	1.77	%	EPA 6010D
Phosphorus (as P2O5)	3.83	%	76.5	lbs/ton	4.04	%	
Potassium (K)	3.12	%	62.5	lbs/ton	3.30	%	EPA 6010D
Potassium (as K2O)	3.75	%	75.0	lbs/ton	3.96	%	
Sulfur (S)	1.73	%	34.5	lbs/ton	1.83	%	EPA 6010D
Calcium (Ca)	9.76	%	195	lbs/ton	10.32	%	EPA 6010D
Magnesium (Mg)	0.62	%	12.3	lbs/ton	0.65	%	EPA 6010D
Sodium (Na)	0.36	%	7.27	lbs/ton	0.38	%	EPA 6010D
Zinc (Zn)	343	mg/kg	0.69	lbs/ton	362	mg/kg	EPA 6010D
Manganese (Mn)	346	mg/kg	0.69	lbs/ton	366	mg/kg	EPA 6010D
Copper (Cu)	47.4	mg/kg	0.09	lbs/ton	50.1	mg/kg	EPA 6010D
Iron (Fe)	1010	mg/kg	2.02	lbs/ton	1068	mg/kg	EPA 6010D
Boron (B)	23.0	mg/kg	0.05	lbs/ton	24.3	mg/kg	EPA 6010D
Chloride (Cl)	18588	mg/kg	37.2	lbs/ton	19653	mg/kg	EPA 9212
Aluminum (Al)	584.55	mg/kg	1.17	lbs/ton	618	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

DATE: October 8, 2024
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 LAB No: 8812



Heavy Metal Analysis Report

Analyte	Results		PQL	Method
		Units		
Arsenic (As)	34.850	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)	114.260	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)	11.290	mg/kg	0.02	EPA 6010D/3050B
Zinc (Zn)	332.480	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

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