

DATE: November 13, 2024
 REPORT No: 112119
 GROWER: Perfect Blend
 CLIENT: Perfect Blend LLC
 CONSULTANT: Lalainia Chapman
 SAMPLE DATE: 11/12/2024
 SAMPLE NAME: **PBO 1600 Soy Protein Hydrolysate V24-02**
 SAMPLE ID: 11/12/2024
 SAMPLE TYPE: Fertilizer-Dry
 LAB No: 8922



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)	14.510	mg/kg	0.50	EPA 6010D/3050B
Lead (Pb)	35.590	mg/kg	0.015	EPA 6010D/3050B
Copper (Cu)	<0.01	mg/kg	0.010	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)	<0.02	mg/kg	0.02	EPA 6010D/3050B
Zinc (Zn)	146.810	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
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DATE: September 18, 2024
 REPORT No. 110670
 GROWER: Perfect Blend
 CLIENT: Perfect Blend LLC
 CONSULTANT: Lailaina Chapman
 SAMPLE DATE: 9/13/2024
 SAMPLE NAME: **PBO 1600 Soy Protein**
Hdyrolysate V24-019 Lot#
0240528 MFT date 5/28/24
 SAMPLE ID: 9/12/24
 SAMPLE TYPE: Fertilizer-Dry
 Lab No: 8801



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Fertilizer Analysis Report

Analyte	Results (As Is basis)				Results (Dry weight basis)		Method
	(Mass Basis)		(Application Basis)				
Bulk Density			4504.50	Yd/Ton	0.44	Lb/Yd ³	ASTM D5057
pH	4.70		—		—		EPA 9045D
Total Solids	96.5	%	—		—		EPA 1684
Moisture	3.54	%	—		—		
Total Nitrogen (N)	15.2	%	304	lbs/ton	15.8	%	AOAC 990.3
Nitrate as Nitrogen (NO3-N)	10.4	mg/kg	0.02	lbs/ton	10.8	mg/kg	EPA 1686
Ammonium as Nitrogen (NH4-N)	615	mg/kg	1.23	lbs/ton	638	mg/kg	EPA 1690
Phosphorus (P)	<0.01	%		lbs/ton		%	EPA 6010D
Phosphorus (as P2O5)	<0.01	%		lbs/ton		%	
Potassium (K)	0.10	%	1.93	lbs/ton	0.10	%	EPA 6010D
Potassium (as K2O)	0.12	%	2.32	lbs/ton	0.12	%	
Sulfur (S)	0.57	%	11.3	lbs/ton	0.59	%	EPA 6010D
Calcium (Ca)	1.49	%	29.9	lbs/ton	1.55	%	EPA 6010D
Magnesium (Mg)	0.01	%	0.29	lbs/ton	0.02	%	EPA 6010D
Sodium (Na)	1.29	%	25.9	lbs/ton	1.34	%	EPA 6010D
Zinc (Zn)	<0.01	mg/kg		lbs/ton		mg/kg	EPA 6010D
Manganese (Mn)	<0.01	mg/kg		lbs/ton		mg/kg	EPA 6010D
Copper (Cu)	<0.01	mg/kg		lbs/ton		mg/kg	EPA 6010D
Iron (Fe)	123	mg/kg	0.25	lbs/ton	128	mg/kg	EPA 6010D
Boron (B)	14.6	mg/kg	0.03	lbs/ton	15.1	mg/kg	EPA 6010D
Chloride (Cl)	30525	mg/kg	61.1	lbs/ton	31645	mg/kg	EPA 9212
Aluminum (Al)	9.47	mg/kg	0.02	lbs/ton	10	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