

DATE: October 8, 2024
REPORT No: 110671
GROWER: Perfect Blend
CLIENT: Perfect Blend LLC
CONSULTANT: Lainaia Chapman
SAMPLE DATE: 9/13/2024
SAMPLE NAME: PBO Liquid Fish 411 L24-142
SAMPLE ID: 9/12/24
SAMPLE TYPE: Fertilizer-Liquid
LAB No: 8818



Heavy Metal Analysis Report

Analyte	Results		PQL	Method
		Units		
Arsenic (As)	0.970	mg/L	0.01	EPA 6010D/3050B
Cadmium (Cd)	<0.005	mg/L	0.005	EPA 6010D/3050B
Cobalt (Co)	<0.05	mg/L	0.05	EPA 6010D/3050B
Lead (Pb)	<0.015	mg/L	0.015	EPA 6010D/3050B
Molybdenum (Mo)	<0.01	mg/L	0.01	EPA 6010D/3050B
Nickel (Ni)	<0.02	mg/L	0.02	EPA 6010D/3050B
Selenium (Se)	6.930	mg/L	0.02	EPA 6010D/3050B
Zinc (Zn)	18.810	mg/L	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

DATE: September 18, 2024
 REPORT No: 110670
 GROWER: Perfect Blend
 CLIENT: Perfect Blend LLC
 CONSULTANT: Lalainia Chapman
 SAMPLE DATE: 9/13/2024
 SAMPLE NAME: PBO Liquid Fish 411 L24-142
 SAMPLE ID: 9/12/24
 SAMPLE TYPE: Fertilizer-Liquid
 Lab No: 8808



Main Office: 119 E Main St., Othello WA, 99344
 Oregon Office: 1300 Sixth St., Suite J, Umatilla OR, 97882
 Pasco Office: 1320 E Spokane St., Pasco WA, 99301
 (509) 488-0112 info@kuotestinglabs.com

Fertilizer Analysis Report

Analyte	Results (As Is basis)		Results (Dry weight basis)		Method		
	(Mass Basis)	(Application Basis)					
Density	0.92	g/ml	7636	lbs/ 1000 Gal	—	ASTM D5057	
pH	5.60		—		—	EPA 9045D	
Total Solids	56.2	%	—		—	EPA 1684	
Moisture	43.8	%	—		—		
Total Nitrogen (N)	5.02	%	419	lbs/ 1000 Gal	—	%	AOAC 990.3
Nitrate as Nitrogen (NO3-N)	4.70	mg/kg	0.04	lbs/ 1000 Gal	—	mg/kg	EPA 1686
Ammonium as Nitrogen (NH4-N)	5244	mg/kg	43.8	lbs/ 1000 Gal	—	mg/kg	EPA 1690
Phosphorus (P)	1.19	%	99.5	lbs/ 1000 Gal	—	%	EPA 6010D
Phosphorus (as P2O5)	2.73	%	228	lbs/ 1000 Gal	—	%	
Potassium (K)	0.30	%	24.7	lbs/ 1000 Gal	—	%	EPA 6010D
Potassium (as K2O)	0.36	%	29.6	lbs/ 1000 Gal	—	%	
Sulfur (S)	0.55	%	45.8	lbs/ 1000 Gal	—	%	EPA 6010D
Calcium (Ca)	0.13	%	10.9	lbs/ 1000 Gal	—	%	EPA 6010D
Magnesium (Mg)	0.05	%	3.88	lbs/ 1000 Gal	—	%	EPA 6010D
Sodium (Na)	0.59	%	49.5	lbs/ 1000 Gal	—	%	EPA 6010D
Zinc (Zn)	20.9	mg/kg	0.17	lbs/ 1000 Gal	—	mg/kg	EPA 6010D
Manganese (Mn)	<0.01	mg/kg		lbs/ 1000 Gal	—	mg/kg	EPA 6010D
Copper (Cu)	3.50	mg/kg	0.03	lbs/ 1000 Gal	—	mg/kg	EPA 6010D
Iron (Fe)	82.0	mg/kg	0.68	lbs/ 1000 Gal	—	mg/kg	EPA 6010D
Boron (B)	3.10	mg/kg	0.03	lbs/ 1000 Gal	—	mg/kg	EPA 6010D
Chloride (Cl)	9202	mg/kg	76.8	lbs/ 1000 Gal	—	mg/kg	EPA 9212
Aluminum (Al)	4.10	mg/kg	0.03	lbs/ 1000 Gal	—	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