



Account No. : 4228

Poultry Manure Analysis Report

NATURAL CHAR SOLUTIONS LLC
 PO BOX 41
 BEAVERTOWN PA 17813

Invoice No. : 1149743
 Date Received : 04/02/2024
 Date Analyzed: 04/03/2024

Lab No. : 883

Results For : NATURAL CHAR SOLUTIONS LLC
 Sample ID : BETHEL

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
Organic N, % N	3.80	3.11	75.9	62.1	32.9
Ammonium, % N	0.077	0.0630	1.5	1.3	1.2
Nitrate, % N	0.030	0.0250	0.6	0.5	0.5
Total N, % N	3.90	3.19	78.1	63.8	34.6
Phosphorus, % P ₂ O ₅	7.33	5.99	146.6	119.9	107.9
Potassium, % K ₂ O	5.74	4.69	114.8	93.9	89.2
Sulfur, % S	0.85	0.70	17.1	14.0	5.6
Calcium, % Ca	5.51	4.51	110.2	90.1	63.1
Magnesium, % Mg	0.91	0.74	18.1	14.8	10.4
Sodium, % Na	0.84	0.69	16.8	13.7	13.7
Sodium Adsorption Ratio (SAR)	8.71				
Zinc, ppm Zn	750.8	614.0	1.5	1.2	0.9
Iron, ppm Fe	2488.2	2034.8	5.0	4.1	2.8
Manganese, ppm Mn	613.6	501.8	1.2	1.0	0.7
Copper, ppm Cu	162.7	133.1	0.3	0.2	0.3
Aluminum, ppm Al	1177.1	962.6	2.4	1.9	1.3
Boron, ppm B	24.7	20.2	0.0	0.0	0.0
Soluble Salts, (EC 1:5) dS/m		9.82			
pH		9.4			
Moisture, %	18.22				
Dry Matter (TS), %	81.78				
Ash, %	46.22	37.80			
Organic Matter LOI 550C, %	53.78	43.98			
Organic Carbon, %	31.19	25.51			
Organic C:N Ratio	8.0				
Bulk Density, lbs / cubic foot		27			

L.D. Severson - AgroLab/Matrix Sciences Inc

4/5/2024

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		Dry Basis	As Is Basis	

Note: The available first year Ammonium-N is calculated based on maximum availability, or incorporation within 24 hours.
Advise a nutrient consultant for adjustments beyond 24 hr incorporation.