

# UtahStateUniversity

## USU ANALYTICAL LABORATORIES

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1/23/2023

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 Logan, UT 84321

Samples Received: 1/9/2023

USU ID	Identification	Dry Matter %	Total Nitrogen %	Protein %	ADF %
0019	Pink Hay	92.5	7.18	44.9	18.6
0020	Pink Hemp	95.2	7.41	46.3	19.1
0021	Blue Hay	92.8	7.18	44.9	15.3
0022	Blue Hemp	92.8	6.50	40.6	15.5
0023	Yellow Hay	93.0	7.38	39.9	14.7

### Total Element Scan

USU ID	Identification	Al	As	B	Ba	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Si	Sr	Zn
		mg/kg				%			mg/kg		%				mg/kg		%		mg/kg		mg/kg			
0019	Pink Hay	0.24	0.33	1.29	<	0.02	1.48	<	0.39	16.6	144	3.13	0.19	12.6	<	<	0.57	1.47	<	0.37	<	42.0	<	170
0020	Pink Hemp	2.65	<	1.67	<	0.01	2.18	<	0.58	19.1	90.6	3.17	0.17	9.64	<	90.4	0.32	1.33	<	0.34	<	30.1	0.21	150
0021	Blue Hay	3.49	<	1.04	<	0.01	1.38	<	0.56	14.1	131	3.32	0.19	14.3	<	107	0.20	1.46	<	0.44	<	28.0	<	120
0022	Blue Hemp	5.99	<	1.48	<	0.01	1.18	<	0.34	12.2	90.2	3.21	0.16	11.7	<	96.3	0.34	1.19	<	0.31	<	35.6	<	93.8
0023	Yellow Hay	2.21	0.61	22.6	1.05	0.11	0.44	<	0.40	14.5	160	3.84	0.23	13.3	<	460	0.67	1.55	<	0.59	<	51.4	3.42	126

Detection Limits: 0.05 0.05 0.05 0.05 5.00E-06 0.05 0.05 0.05 0.05 0.05 2.50E-05 5.00E-06 0.05 0.05 0.05 0.05 0.00015 0.5 0.00005 1.25 0.05 0.05 0.05

Al = Aluminum  
 As = Arsenic  
 B = Boron  
 Ba = Barium  
 Ca = Calcium  
 Cd = Cadmium  
 Co = Cobalt  
 Cr = Chromium  
 Cu = Copper  
 Fe = Iron  
 K = Potassium  
 Mg = Magnesium  
 Mn = Manganese  
 Mo = Molybdenum  
 Na = Sodium  
 Ni = Nickel  
 P = Phosphorus  
 Pb = Lead  
 S = Sulfur  
 Se = Selenium  
 Si = Silica  
 Sr = Strontium  
 Zn = Zinc



Plant Analysis Lab  
 Soil Testing Lab  
 Feed Analysis Lab  
 Irrigation Water Analysis Lab  
 Manure Analysis Lab