

# WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631

Phone: (970) 353-8118 • Fax: (970) 353-1671

www.weldlabs.com

July 24, 2023

## RPG Resources

Attn: Russell Beam

1313 Ben Nevis Ave

Broomfield, CO 80020

Laboratory No. Sample ID	E23170-4A Castor0144 0-6"	Extraction Method
Sodium (ppm)	5.30	Saturated Paste
Calcium (ppm)	123.00	
Magnesium (ppm)	19.60	
pH	6.65	
EC (mS/cm)	0.739	
Saturated Paste %	36.68	
SAR	0.12	
Nitrate-N (ppm)	1.83	AB-DPTA
Phosphorus (ppm)	12.83	
Potassium (ppm)	690.9	
Copper (ppm)	1.53	
Iron (ppm)	10.2	
Manganese (ppm)	4.5	
Zinc (ppm)	0.7	
Ammonia-N (ppm)	4.1	KCI Water
Chloride (ppm)	6.8	
Boron (ppm)	0.2	
Sand (%)	42.9	
Fine Sand (%)	15.2	
Silt (%)	37.7	
Clay (%)	4.2	
Classification	SANDY LOAM	
Organic Matter (%)	1.5	Walkley-Black
% CaCO <sub>3</sub> -C equivalent	0.79	
CEC (meq/100g)	19.59	
ESP (%)	0.12	

  
Project Manager

7-24-23  
Date

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## RPG Resources

Attn: Russell Beam

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Broomfield, CO 80020

Laboratory No. Sample ID	E23177-3B CAS-44-001b 6-12"	Extraction Method
Sodium (ppm)	2.10	Saturated Paste
Calcium (ppm)	91.50	
Magnesium (ppm)	14.75	
pH	6.95	
EC (mS/cm)	0.541	
Saturated Paste %	37.88	
SAR	0.05	
Nitrate-N (ppm)	0.93	AB-DPTA
Phosphorus (ppm)	1.16	
Potassium (ppm)	248.4	
Copper (ppm)	1.08	
Iron (ppm)	0.8	
Manganese (ppm)	1.1	
Zinc (ppm)	0.3	
Ammonia-N (ppm)	5.9	KCl Water
Chloride (ppm)	5.5	
Boron (ppm)	0.0	
Sand (%)	40.2	
Fine Sand (%)	15.8	
Silt (%)	33.6	
Clay (%)	10.4	
Classification	SANDY LOAM	
Organic Matter (%)	0.8	Walkley-Black
% CaCO <sub>3</sub> -C equivalent	0.42	
CEC (meq/100g)	19.85	
ESP (%)	0.05	

  
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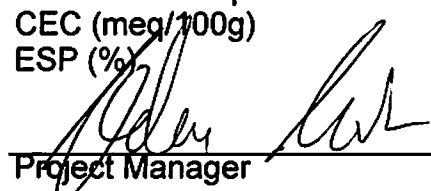
## RPG Resources

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1313 Ben Nevis Ave

Broomfield, CO 80020

Laboratory No. Sample ID	E23170-4B Castor0245 0-6"	Extraction Method
Sodium (ppm)	3.55	Saturated Paste
Calcium (ppm)	156.80	
Magnesium (ppm)	11.40	
pH	7.21	
EC (mS/cm)	0.712	
Saturated Paste % SAR	33.69 0.07	
Nitrate-N (ppm)	2.39	AB-DPTA
Phosphorus (ppm)	3.09	
Potassium (ppm)	321.8	
Copper (ppm)	1.04	
Iron (ppm)	7.5	
Manganese (ppm)	3.1	
Zinc (ppm)	0.3	
Ammonia-N (ppm)	3.0	KCl Water
Chloride (ppm)	13.1	
Boron (ppm)	0.2	
Sand (%)	60.8	
Fine Sand (%)	13.9	
Silt (%)	22.9	
Clay (%)	2.4	
Classification	LOAMY SAND	
Organic Matter (%)	0.9	Walkley-Black
% CaCO <sub>3</sub> -C equivalent	5.28	
CEC (meg/100g)	24.41	
ESP (%)	0.06	

  
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Laboratory No. Sample ID	E23177-3A CAS-45-002b 6-12"	Extraction Method
Sodium (ppm)	5.40	Saturated Paste
Calcium (ppm)	90.50	
Magnesium (ppm)	11.65	
pH	7.26	
EC (mS/cm)	0.506	
Saturated Paste %	32.47	
SAR	0.14	
Nitrate-N (ppm)	1.72	AB-DPTA
Phosphorus (ppm)	0.68	
Potassium (ppm)	261.6	
Copper (ppm)	0.63	
Iron (ppm)	0.8	
Manganese (ppm)	0.9	
Zinc (ppm)	0.1	
Ammonia-N (ppm)	26.7	KCl Water
Chloride (ppm)	21.2	
Boron (ppm)	0.0	
Sand (%)	64.9	
Fine Sand (%)	10.3	
Silt (%)	20.4	
Clay (%)	4.4	
Classification	LOAMY SAND	
Organic Matter (%)	0.4	Walkley-Black
% CaCO <sub>3</sub> -C equivalent	7.61	
CEC (meq/100g)	24.23	
ESP (%)	0.10	

  
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