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Lab No.: 10387		FEED ANALYSIS REPORT		Date Reported: 11/12/2025
Send To: 58058	NORTH VALLEY AG LLC LESLIE HEINZEL 15240 NE NORTH VALLEY RD NEWBERG, OR 97132			
Results For: Feedstuff Description: Sample Identification: Date Received: Invoice No.:	TIMOTHY HAY TP 2ND 25 11/07/2025 676537		 Michele Lawson Data Review Coordinator	
Feed Analysis Results		As Received	100% Dry Matter	
Near Infrared Reflectance Spectroscopy (NIRS) Analysis				
Moisture, %	11.6			
Dry Matter, %	88.4			
Crude Protein, %	8.96	10.14		
Adjusted Crude Protein, %	8.96	10.14		
AD-ICP, %	0.72	0.81		
ND-ICP (w/Na2SO3), %	1.44	1.63		
Soluble Protein, % CP	21.54	24.36		
ADF, % ADF	28.13	31.82		
aNDF (w/Na2SO3), % NDF	39.60	44.79		
aNDFom, % aNDFom	36.95	41.79		
Lignin (Sulfuric Acid), %	3.25	3.68		
Lignin % NDF, %	7.79	8.81		
uNDFom240, %	9.68	10.95		
NDFD240, % NDF	65.25	73.80		
Starch, %	0.62	0.70		
Fat (EE), %	3.13	3.54		

The reported analytical results apply only to the sample as it was supplied.
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Total Fatty Acid (TFA), % TFA		1.60	1.81	
Ash, %		9.54	10.79	
Calcium, % Ca		0.51	0.58	
Phosphorus, % P		0.27	0.30	
Magnesium, % Mg		0.24	0.27	
Potassium, % K		1.47	1.66	
Sulfur, % S		0.16	0.18	
Sugar (ESC), %		12.84	14.52	
Sugar (WSC), %		15.37	17.38	
N.F.C., %		31.92	36.10	
Non-struct. Carbohydrates, % NSC		15.98	18.08	
RFV,		117.72	133.15	
Equine DE, Mcal/lb		0.86	0.97	
Equine TDN, %		45.65	51.64	
Chloride, % Cl		0.40	0.45	
		ADF	OARDC	
TDN	%	66.90	63.34	
NEI	Mcal/lb	0.69	0.65	
NEg	Mcal/lb	0.43	0.38	
NEm	Mcal/lb	0.70	0.64	

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Feed Analysis Results	As Received	100% Dry Matter		
USDA HAY QUALITY GUIDELINES: ALFALFA, ALFALFA/MIX (100% dry matter)				
<u>QUALITY</u>	<u>RFV</u>	<u>ADF %</u>	<u>NDF %</u>	<u>%CP</u>
Supreme	> 185	< 27	< 34	> 22
Premium	170-185	27-29	34-36	20-22
Good	150-170	29-32	36-40	18-20
Fair	130-150	32-35	40-44	16-18
Utility	< 130	> 35	> 44	< 18
<p>These USDA marketing guidelines are based primarily on alfalfa or alfalfa-grass mix for dairy cattle use. Suggested guidelines for other forages and other livestock uses are given below. Crude protein, visual appearance, intent of sale, end use, and other factors may influence final hay price. Regional pricing information is available from USDA Hay Marketing Service - Hay Reports at: www.ams.usda.gov/market-news/hay-reports</p>				
<u>RFV</u>	<u>SUGGESTED LIVESTOCK USES:</u>			
> 150	Prime dairy cows; fresh and high producers			
125 - 150	Good dairy cows; young heifers; backgrounding			
105 - 125	Good beef cattle; older heifers; marginal for dairy cows			
87 - 105	Maintenance of beef and dairy cows			
75 - 87	May require supplementation			
< 75	Will require supplementation			
NIRs analysis performed utilizing Feedstuff Equations developed by Dairyland Labs, Inc.				

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