



# Ritchie Smith Feeds, Inc

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Sample Number: 20244802

Lab Received Date: October 10, 2024

Product Number: 100RS

Product Description: Hay RS

Sample Description:

Black Isle Farms  
F7324 Grass Alfalfa

Components	As Sampled Basis	Dry Matter Basis
% Moisture	8.99	
% Dry Matter	91.01	
% Crude Protein	16.11	17.71
% ADICP	1.36	1.50
Soluble Protein % CP		42.24
% NDICP	3.63	3.99
% Acid Detergent Fiber	33.82	37.16
% aNDFom	42.41	46.60
% Lignin	5.83	6.41
% NFC	21.65	23.79
% Starch	.34	.37
% WSC (Water Sol. Carbs.)	5.72	6.29
% ESC (Simple Sugars)	5.07	5.57
% Crude Fat	1.83	2.01
% Ash	10.99	12.07
% TDN	50.31	55.28
NEL, Mcal/Lb	.50	.55
Relative Feed Value		115
% Calcium	1.12	1.23
% Phosphorus	.30	.33
% Magnesium	.27	.29
% Potassium	2.41	2.64
% Sulfur	.25	.27
% Chloride Ion	.29	.32
Milk Kg/Ton, 48h		1,269
% uNDFom 240hr		21.8
NDFDom 30hr, % of NDF		47.1
NDFDom 120hr, % of NDF		51.5
NDFDom 240hr, % of NDF		53.2
C18:1, Oleic Acid % TFA		5.32
C18:2, Linoleic Acid % TFA		14.61
C18:3, Linolenic Acid % TFA		21.21
% RUFAL		.45
% TFA		1.10
Horse DE, Mcal/Lb	.88	.96