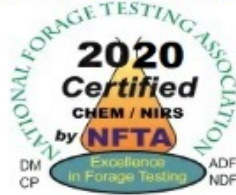




A NFTA Certified Laboratory



**CDS LABORATORIES, INC.**  
Custom Dairy Services, Inc.

8895 Guide Meridian Rd  
Lynden, WA 98264  
Phone: 360-354-4344  
Fax: 360-354-1114  
E-mail: customdairyservices@frontier.com

Customer: **COUNTRY GARDEN FARMS**  
Address: 1201 S. GROVER LANE  
PALMER, AK 96645

Description: **G.HAY CGF2020 SMALL BALES**

Sampled: **8/10/2020**  
Arrived: **8/10/2020**  
Completed: **8/11/2020**  
Report Number: **89271**

Certificate of Analysis

TEST	ON RECEIPT	DRY	METHOD	TEST	ON RECEIPT	DRY	METHOD
<b>Dry Matter/Moisture</b>				<b>Energy Calculations</b>			
Dry Matter (%)	87.47		WC	Non Structural Carbohydrate(%)	15.36	17.56	WC
Moisture (%)	12.53		WC	NonFiber Carbohydrate-Equine	17.60	20.12	WC
<b>Protein/Nitrogen Fractions</b>				TDN	53.55	61.22	CA
Crude Protein (%)	11.12	12.71	WC	TDN-EQUINE	83.28	95.21	WC
ADICP (%)	1.57	1.79	IR	RELATIVE FEED VALUE	84.66	96.79	CA
NDICP Sulfite Free (%)	4.70	5.37	IR	DE-EQUINE (Mcal/lb DM)	1.33	1.52	CA
Protein Solubility (%)	29.53	33.76	IR	<b>Minerals</b>			
<b>Fiber Fractions</b>				Ash (%)	5.22	5.97	WC
Acid Detergent Fiber (%)	29.42	33.63	WC	Calcium (%)	0.31	0.35	WC
aNeutral Detergent Fiber (%)	52.71	60.26	WC	Phosphorus (%)	0.30	0.34	WC
				Magnesium (%)	0.14	0.16	WC
				Potassium (%)	1.61	1.84	WC
				Sodium (%)	0.02	0.02	WC
				Copper (ppm)	20.83	23.81	WC
				Iron (ppm)	255.79	292.43	WC
				Zinc (ppm)	27.73	31.70	WC
				Manganese (ppm)	67.79	77.50	WC
				<b>Carbohydrates and Fats</b>			
				Fat-Ether Extract (%)	0.82	0.94	WC
				Starch (%)	1.75	2.00	WC
				Sugar- ESC (%)	9.18	10.50	WC
				Water Soluble Carbohydrates %	12.06	13.79	WC
				WSC GM/LB	54.76	62.60	WC
				NSC-Equine(WSC+Starch)	13.81	15.79	WC

**Kelly Houston, Chemist**  
**B.S. M.T. (ASCP)**

*Associated with or certified by: The National Forage Testing Association; Minnesota Department Of Agriculture- Manure Proficiency Testing; American Association of Feed Control Officials – Feed and Pet Food Divisions*