



A NFTA Certified Laboratory



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

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

Description: **ALF. LARGE SQUARE CGF 2018**

Sampled: **7/23/2018**  
Arrived: **7/23/2018**  
Completed: **7/24/2018**  
Report Number: **76482**

Certificate of Analysis

TEST	ON RECEIPT	DRY	METHOD	TEST	ON RECEIPT	DRY	METHOD
<b>Dry Matter/Moisture</b>				<b>Energy Calculations</b>			
Dry Matter (%)	89.63		WC	Non Structural Carbohydrate(%)	18.38	20.51	CA
Moisture (%)	10.37		WC	Non Fiber Carbohyd.-NRC2001(%)	25.13	28.04	CA
<b>Protein/Nitrogen Fractions</b>				TDN	83.81	93.51	CA
Crude Protein (%)	8.76	9.77	WC	RELATIVE FEED VALUE	86.59	96.61	CA
ADICP (%)	1.67	1.86	IR	DE-EQUINE (Mcal/lb DM)	1.43	1.60	CA
NDICP Sulfite Free (%)	4.75	5.30	IR	<b>Minerals</b>			
Protein Solubility (%)	29.34	32.73	IR	Ash (%)	5.25	5.86	WC
<b>Fiber Fractions</b>				Calcium (%)	0.38	0.42	WC
Acid Detergent Fiber (%)	30.16	33.65	WC	Phosphorus (%)	0.22	0.25	WC
aNeutral Detergent Fiber (%)	54.10	60.36	WC	Magnesium (%)	0.16	0.18	WC
				Potassium (%)	1.21	1.35	WC
				Sodium (%)	0.03	0.03	WC
				Copper (ppm)	17.19	19.18	WC
				Iron (ppm)	621.75	693.69	WC
				Zinc (ppm)	42.44	47.35	WC
				Manganese (ppm)	85.59	95.49	WC
				<b>Carbohydrates and Fats</b>			
				Fat-Ether Extract (%)	1.14	1.27	WC
				Starch (%)	2.78	3.10	WC
				Sugar- ESC (%)	11.14	12.43	WC
				Water Soluble Carbohydrates %	15.03	16.77	WC
				WSC GM/LB	68.24	76.14	CA

**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