

SIERRA TESTING SERVICE
 9450 E. Collier Rd.
 Acampo, CA 95220
 (209) 333-3337

NIR ANALYSIS REPORT

SAMPLE NUMBER 982
 SAMPLE TYPE Legume Hay and Fresh Forage*
 SAMPLE ID #1
 DATE PROCESSED 12/21/2012

NAME Sierra Testing Service
 ADDRESS 9450 E. Collier Road
 Acampo, CA 95220

	AS RECEIVED BASIS	-ANALYSIS- DRY MATTER BASIS	90% DM BASIS
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MOISTURE, %	7.3	0.0	10.0
DRY MATTER, %	92.7	100.0	90.0
CRUDE PROTEIN, %	23.3	25.1	22.6
NITROGEN EST., %	16.4	17.7	16.0
LIGNIN, %	5.4	5.8	5.2
ACID DET. FIBER, %	28.7	30.9	27.8
NEUT. DET. FIBER, %	33.5	36.2	32.5
TDN EST., %	54.8	59.1	53.2
ENE EST., THERMS/CWT	46.2	49.8	44.8
NE/LACT, MCAL/LB	0.56	0.60	0.54
RFV		166.77	
PHOSPHORUS EST., %	0.38	0.41	
CALCIUM EST., %	1.38	1.49	
POTASSIUM EST., %	1.82	1.96	
MAGNESIUM EST., %	0.35	0.38	
QUALITY DESIGNATION	TDN(90%DM)	ADF(100%DM)	
[] EXTRA PREMIUM	ABOVE 55.9	BELOW 27	
[] PREMIUM	54.5-55.9	27-29	
[] GOOD	52.5-54.5	29-32	
[] FAIR	50.5-52.5	32-35	

TDN is calculated from ADF using the California Western Hay Equation.