

ANALYSIS OF CONCENTRATED FLAX HULL LIGNANS

<u>Test Results</u>	<u>Units</u>
Moisture- Forced Draft Oven	9.30%
Protein - Combustion	24.96%
Ash	4.89%
Fiber, Acid Detergent	18.10%
Lignan	30-65%
Fiber, Dietary, Total	51.50%
Carbohydrates, Calculated	52.64%
Tryptophan	0.24%
Cystine	0.41%
Methionine	0.42%
Aspartic Acid	2.28%
Theonine	0.93%
Serine	1.15%
Glutamic Acid	4.32%
Proline	0.84%
Glycine	1.39%
Alanine	1.05%
Valine	1.10%
Isoleucine	0.90%
Leucine	1.31%
Tyrosine	0.47%
Phenylalanine	1.02%
Lysine, Total	0.88%
Histidine	0.48%
Lignin	7%
Arginine	1.88%
Total Fat	8.21* %
Saturated Fatty Acid	0.76** %
*Reported as triglycerides	
**Reported as fatty acids	
Total Monounsatur. Fatty Acids Calc	1.3
Total Polyunsatur. Fatty Acid Calc	5.79
Calcium	0.48

Phosphorus	0.58
Iron	0.01
Magnesium	0.43
Potassium	1.06
Sodium	0.042
Zinc	0.0055
Calories	384 Calories/100 G
Niacin	34.4 MG/LB
Vitamin B1 - Thiamine Hydrochloride	7.12 MG/LB
Vitamin B2 - Riboflavin	2.69 MG/LB

(analysis done by Woodson-Tenent Laboratories www.wtlabs.com)

Microbial Analysis for Concentrated Flax Hull Lignans

Aerobic Plate Count	50 CFU/g
Yeast and Mold Count	30 CFU/g
Coliform Count	none detected
E.coli Count	none detected
Salmonella spp.(+/-)	negative

(Microbial analysis done by department of veterinary & microbiological science
NDSU at Fargo, ND)