

# SAMPLE SUBMISSION FORM FOR CORN AND DISTILLERS GRAIN

Analytical Services, Olson Biochemistry Labs, SAS 133  
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Bill:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ FAX: \_\_\_\_\_  
Email: \_\_\_\_\_  
Sample Identification \_\_\_\_\_

Copy:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ FAX: \_\_\_\_\_  
Email: \_\_\_\_\_  
Date Collected: \_\_\_\_\_

In-state user fees subject to 4% sales tax and applicable city tax. All user fees subject to 5% university fee. Charges for out-of-state residents are 1.5 times in state charges. In state fees are listed first followed by out of state fees. 50% surcharge applies to rush requests. Invoice will accompany report of analysis.

**\$7.00/\$10.50 Sample handling and preparation. (Required for all samples)**

## Individual Tests

<input type="checkbox"/> \$ 4.50/6.75 Moisture (105°C/3 hr)	<input type="checkbox"/> \$15.00/22.50 Sulfur
<input type="checkbox"/> \$10.00/15.00 Crude Protein (AOAC 990.03)	<input type="checkbox"/> \$20.00/30.00 Starch
<input type="checkbox"/> \$10.00/15.00 Crude Fiber (AOAC 978.10)	<input type="checkbox"/> \$15.00/22.50 Glucose
<input type="checkbox"/> \$14.00/21.00 Crude Fat/Oil (AOAC 945.16)	<input type="checkbox"/> \$22.00/33.00 Particle Size (Sieve analysis)
<input type="checkbox"/> \$ 5.00/7.50 Ash (AOAC 942.05)	<input type="checkbox"/> \$33.00/49.50 Lysine
<input type="checkbox"/> \$8.50/12.75 Acid Detergent Fiber (AOAC 973.18)	<input type="checkbox"/> \$50.00/75.00 Methionine and Cystine
<input type="checkbox"/> \$10.00/15.00 Neutral Detergent Fiber (AOAC 2002.04)	<input type="checkbox"/> \$50.00/75.00 Tryptophan (basic hydrolysis)

## Minerals by ICP OES

\$40.00/60.00 Multi-element profile includes Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Molybdenum, Phosphorus, Potassium, Sodium, Sulfur and Zinc.

## Minerals by flame atomic absorption

First element is \$16.00/24.00 and \$5.00/7.50 for each additional element. Check desired element(s)

<input type="checkbox"/> Calcium	<input type="checkbox"/> Magnesium	<input type="checkbox"/> Potassium
<input type="checkbox"/> Copper	<input type="checkbox"/> Manganese	<input type="checkbox"/> Sodium
<input type="checkbox"/> Iron	<input type="checkbox"/> Phosphorus	<input type="checkbox"/> Zinc

## Minerals by graphite furnace atomic absorption.

First element is \$30.00/45.00 and \$16.00/24.00 for each additional element. Check desired element(s)

<input type="checkbox"/> Arsenic	<input type="checkbox"/> Chromium	<input type="checkbox"/> Lead
<input type="checkbox"/> Cadmium	<input type="checkbox"/> Cobalt	<input type="checkbox"/> Molybdenum

## Amino Acid Profiles

\$95.00/142.50 Pre-oxidation hydrolysis profile. Profile includes: alanine, ammonia, arginine, aspartic acid, cystine, glutamic acid, glycine, histidine, isoleucine, leucine, methionine, phenylalanine, proline, serine, threonine, lysine, valine and crude protein.

\$85.00/127.50 Standard acid hydrolysis profile. Profile consists of: alanine, ammonia, arginine, aspartic acid, glutamic acid, glycine, histidine, isoleucine, leucine, lysine, phenylalanine, proline, serine, threonine, tyrosine, valine.

*Note: The pre-oxidation profile includes cystine and methionine but not tyrosine and the standard profile includes tyrosine but not cystine and methionine. Most DDG clients select the pre-oxidations profile*