



## Commercially Available Distillers & Biorefinery Products - April 2020

### Distillers Products

Industry Name	Common Analysis (As Fed)			Current AAFCO Definition	General Description
	%Protein	%Fat	% Crude Fiber		
DDGS	23-36	3-16	<14	27.6, 27.8	Distillers grains with solubles. May have a portion of oil removed. Can be in dry or wet form (dry form common analysis displayed).
Deoiled DDGS	26-36	<3	<14	27.9	Solvent extracted DDGS.
DDGS with Bran	23-36	3-16	<14	27.6, 27.8, 48.2	DDGS mixed with corn bran separated by ethanol plant prior to fermentation. Can be in dry or wet form (dry form common analysis displayed).
Syrup (CDS)	5-25	3-23	0-4	27.7	Condensed thin stillage.
	<b>%Total Fatty Acids</b>	<b>%Unsaponifiable Matter</b>	<b>%Insoluble Impurities</b>		
Distillers Oil	>85	<2.5	<1	33.10	Oil removed by centrifugation from the condensed distillers solubles stream or by solvent extraction of DDGS.

### Biorefinery Products

Industry Name	Common Analysis (As Fed)			Current AAFCO Definition	General Description
	%Protein	%Fat	% Crude Fiber		
Fiber with Syrup	23-28	4-6	15-20	48.2, 27.7	Corn bran separated by ethanol plant prior to fermentation mixed with condensed distillers solubles. Can be in dry or wet form (dry form common analysis displayed).
HiPro DDG	36-48	4-6	<12	27.5	Distillers grain. Portion of fiber and oil removed which concentrates protein. Does not contain solubles.
Fermentation Protein	48+	3-5	<8%	27.5	Portions of fiber and oil removed concentrating residual grain and yeast proteins. Contains concentrated spent yeast products. Does not contain solubles.
Distillers Yeast	40-55	0-8	0-6	96.5	Inactive <i>Saccharomyces cerevisiae</i> yeast removed from the process stream after fermentation either before or after distillation.

This table is meant for informational purposes only and does not convey any regulatory or specification requirements. The information listed is not all inclusive and is current as of date displayed in title and will be updated as industry innovation continues.