

Livestock

# ProtiFlow DE-Z

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Grains comes from the extraction of bio ethanol from grains. The process focuses on extracting alcohol from the carbohydrates present. After the conversion and extraction of alcohol, a residue of non-fermentable components, consisting mainly of protein, remains. The co-product ProtiFlow is characterized by its good taste, low sodium content and high-quality protein.

Quality

The product complies with laws and regulations. Mycotoxins, insecticides, pesticides and herbicides are tested according to the GMP+ FSA. The product is non-GMO (according to Regulation (EC) 1829/2003 and 1830/2003).



Valid from 29 July 2022

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**Loop Co-Products BV**

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**BIC:**

RABO NL2U

**VAT. NL**

NL0095.32.488.13.01

**VAT. BE**

BE0547739105

**UST.ID:**

DE2891.81.759

**C.C. Venlo:**

1203 5225

**GMP+:**



GMP018172

**QS ID:**

4031735219906

Dry matter %	18.4
pH	3.2
Crude protein	378
Crude fat	59
Crude fibre	49
Crude ash	93
Starch total	56
Sugar	83
NSP	209
Calcium (Ca)	1.7
Sodium (Na)	1.5
Chloride (Cl)	3.7
Potassium (K)	25.9
Magnesium (Mg)	3.0
Phosporus total (P)	13.0
Dig. Phosphorus	10.4
Sulfur	16.5
Glycerol	34.7
Lactic acid	56
Acetic acid	4



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	AiD	SiD
Dig. Lysine	12.2	12.6
Dig. Methionine	4.9	5.0
Dig. Methionine + Cystine	9.0	9.4
Dig. Threonine	9.4	10.0
Dig. Tryptophan	3.1	3.2
Dig. Isoleucine	10.1	10.5
Dig. Leucine	18.7	19.2
Dig. Valine	13.8	14.4
Energie value		
1.04		
NE pigs, kcal		
2182		
ME Schw., MJ		
12.5		

### Cattle values

DVE	163
OEB	166
nXP	269.81
FOS	596
VEM	1165
VEVI	1261
NEL	8.36
ME Rind, MJ	13.36

Levels are based on averages and stated in grams per kg of dry matter, unless stated otherwise. Changes in product composition are reserved.

### Feeding advice based on DS of total ration

Weaned piglets (up to 25 kg)	max 5%
Fattening pigs (25 - 50 kg)	max 8%
Fattening pigs (from 50 kg)	max 12%
Sows	max 10%
Dairy cattle	max 15 kg product in ration
Beef cattle	max 1,5 kg product / 100 kg body weight

### Logistics & Storage

Transport	Liquid with tank truck
Storage	In acid-resistant silo or bunker with agitator, regular stirring is desirable to prevent settling.
Shelf life	1 month, provided the silo or bunker is cleaned regularly
Nipple worthy	No
Extra Comment	Please note the level of sulfur



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