



## Corngold 234

### CGF wet feedstuff raw material

#### Description

At wet processing of corn, after separation of the larger proportion of the starch, the corn germs and the corn gluten, CGF (corn gluten feed) is the remaining source of protein, fibre, energy, vitamins and mineral substances which can be economically utilised for feedstuff purposes. The product corresponds to the current regulations in the EU as well in Hungary.

Added propionic acid: function of daily average temperature, max. 0.3%

Appearance: homogenous yellowish-brown

#### Application

Wet CGF feedstuff is a basic commodity which plays an important role in the feeding of ruminants, pigs and calves.

#### Main parameters

	<i>Min.</i>	<i>Max.</i>	<i>Method</i>
Dry solids [%, m/m]	38.0	48.0	Gravimetry
Moisture [%, m/m]	52.0	62.0	Gravimetry
Raw protein [%, m/m]	16.0		Kjeldahl

#### Analytical data

	<i>Min.</i>	<i>Max.</i>	<i>Method</i>
Starch [%/ds m/m]		28.0	Polarimetry
Raw fibre [%, m/m]		9.0	Gravimetry

Parameters under title "Analytical data" are typical values based on measurements executed with certain frequency. They are indicative and do not appear in CoA.

The raw material is monitored regularly by accredited laboratory for aspects hereunder: heavy metals, mycotoxins, pesticides, herbicides, dioxins and GMO.



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#### Typical values

<b>Vitamins</b>	
Vitamin A, [IU/kg]:	962
Vitamin E, [mg/kg]:	3
Thiamin B <sub>1</sub> , [mg/kg]:	1
Riboflavin B <sub>2</sub> , [mg/kg]:	1
Vitamin B <sub>6</sub> , [mg/kg]:	4
Vitamin B <sub>12</sub> , [mg/kg]:	0
Niacin, [mg/kg]:	21
Pantothenic acid, [mg/kg]:	5
Folic acid, [mg/kg]:	0.09
Biotin, [mg/kg]:	0.04
Cholin, [mg/kg]:	571
Xantophyll, [mg/kg]:	4

<b>Macro and microelements</b>	
Ca, [g/kg]:	0.2
P, [g/kg]:	3.3
Mg, [g/kg]:	1.5
K, [g/kg]:	3.9
Na, [g/kg]:	0.7
Cl, [g/kg]:	0.6
S, [mg/kg]:	0.9
Mn, [mg/kg]:	5.5
Zn, [mg/kg]:	15.3
Cu, [mg/kg]:	1.9
Fe, [mg/kg]:	70.3
Se, [mg/kg]:	0.07
Co, [mg/kg]:	0.05
Mb, [mg/kg]:	0.5
I, [mg/kg]:	0.04

<b>Amino acids (g/kg)</b>	
LYS	1.6
THR	2.3
MET	1.5
CYS	1.7
MET+CYS	3.3
TRP	0.4
ILE	1.6
VAL	2.4
LEU	6.6
PHE	2.4
TYR	1.8
PHE+TYR	4.2
HIS	2.5
ARG	1.5
ALA	4.8
ASP	4.7
GLU	11.3
GLY	2.9
SER	2.9
PRO	6.4

<b>Fatty acids (g/100g)</b>	
Myristin C14:0	0.1
Palmitic acid C16:0	11.1
Palmitolein C16:1	0.4
Stearic acid C18:0	1.8
Oleic acid C18:1	26.9
Linoleic acid C18:2	56.5
alpha-Linolenic acid C18:3	1

<b>Pig energy and digestion factors</b>	
Raw protein [%]	80
P [%]	19
Energy [%]	73

<b>Chemical composition</b>	
Organic substance [%]	28.7
N free extract [%]	17.3
Sugar [%]	1.7
Raw ash [%]	<8.0
Raw fat [%]	0.87
Gross energy [MJ/kg]	5.8