EXTRACTED SUNFLOWER MEAL WITH HIGH PROTEIN CONTENT

FEED MATERIAL

EU PRODUCTION

ISCC CERTIFIED*

MECHANICALLY PRODUCED

* optional

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◎ APPLICATION

The product can be used for feeding all farm animals (ruminant, pig, poultry, fish, hourse, rabbit, etc.). It is perfectly a suitable substitute for extracted soybean meal and other protein sources. The mixing ratio have to be determined according to the nutrient parameters of the applied feed.
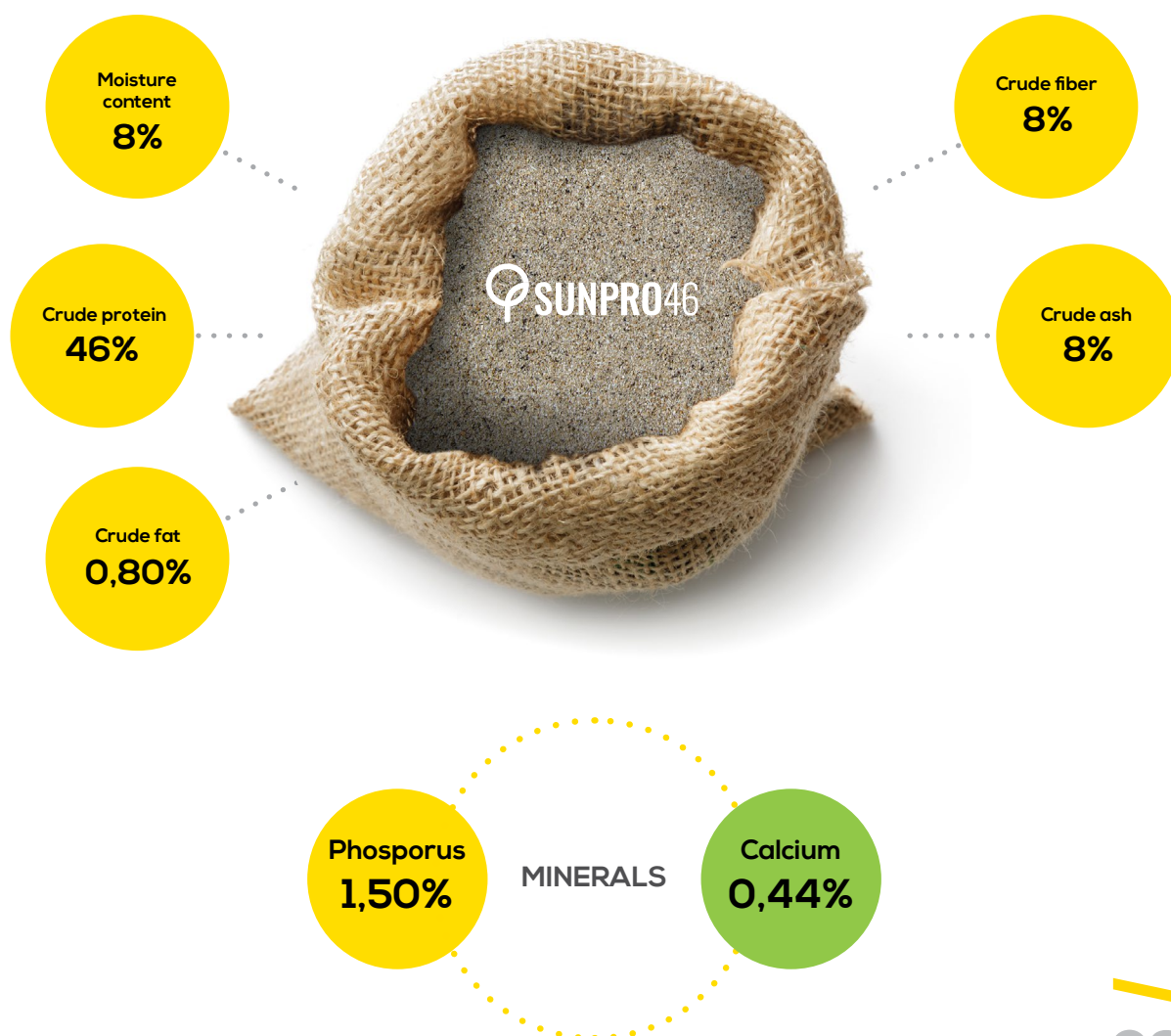
It does not contain animal proteins and it can be used in GMO free compound feed!

▦ COMPOSITION

Extracted sunflower meal with **min 46%** crude protein content.

Moisture content
8%

Crude fiber
8%

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Crude protein
46%

Crude ash
8%

Crude fat
0,80%

Phosporus
1,50%

MINERALS

Calcium
0,44%

ENERGY CONTENT, METABOLISABLE PROTEIN CONTENT AND RUMINAL DEGRADATION

POULTRY

AME_b	9.50	MJ/kg feed

PIG

DE_s	11.70	MJ/kg feed
NE_s	6.10	MJ/kg feed

RUMINANT

NE_l	7.32	MJ/kg dry matter
NE_m	7.67	MJ/kg dry matter
NE_g	5.03	MJ/kg dry matter
MFE	168	g/kg dry matter
MFN	315	g/kg dry matter
RDP	365	g/kg dry matter
UDP	135	g/kg dry matter

AME = Apparent Metabolizable Energy
DE_s = Digestible Energy for Swine
NE_s = Net Energy for Swine
NE_l = Net energy for lactation
NE_m = Net energy for maintenance
NE_g = Net energy for growth
MPE = Energy-dependent Metabolizable Protein
MPN = Nitrogen-dependent Metabolizable Protein
RDP = Rumen Degradable Protein
UDP = Rumen Undegradable Protein

AVERAGE VALUES FOR AMINO ACID COMPOSITION

AS IN FEED

Lysine (%)	1.73
Methionine (%)	1.16
Methionine+Cystine (%)	1.89
Threonine (%)	1.82
Leucine (%)	2.92
Aspartic acid (%)	4.34
Serine (%)	2.13
Glutamic acid (%)	9.90
Glycine (%)	2.85
Alanine (%)	2.10
Valine (%)	2.28
Isoleucine (%)	1.88
Phenylalanine (%)	2.13
Histidine (%)	1.34
Arginine (%)	3.81
Proline (%)	2.20
Tyrosine (%)	1.16

AVERAGE VALUES FOR FATTY ACID PROFILE

FATTY ACID METHYL ESTER %

$C_{14:0}$: miristic acid	0.57
$C_{15:0}$: pentadecanoic acid	0.22
$C_{16:0}$: palmitic acid	9.64
$C_{18:0}$: stearic acid	5.29
$C_{20:0}$: arachidic acid	0.71
$C_{22:0}$: behenic acid	1.21
SFA: (Saturated Fatty Acids)	**20.53**
$C_{16:1}$: palmitoleic acid	0.22
$C_{18:1}$: oleic acid + 9t-$C_{18:1}$: elaidic acid (n-9)	24.71
c-$C_{18:1}$: vaccenic acid	0.75
$C_{20:1}$: eicosenoic acid	0.38
MUFA: (Mono Unsaturated Fatty Acids)	**26.42**
$C_{18:2}$: linoleic acid (n-6)	51.08
$C_{18:3}$: linolenic acid (n-3)	0.44
PUFA: (Poly Unsaturated Fatty Acids)	**53.06**
n-6 PUFA	52.62
n-3 PUFA	0.44

APPEARANCE
Grey, fine granular

ODOR
Specific

STORAGE
Store in a dry, cool place (under 25°C)!
Keep out of reach of children!

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