SUNPRO46

QUALITY ASSURANCE SYSTEM DATASHEET

ANIMAL FEED PRODUCT

DESCRIPTION

Feed material:
High-protein low-cellulose fraction of sunflower meal

Specification				
	Moisture:	max 12 %	Crude protein:	base 46 %
	Crude fibre:	base 8 %	Crude fat:	max 2.5 %
	Crude ash:	max 9 %		

Feed materials in this category

2.19.8 High-protein low-cellulose fraction of sunflower meal* (SunPro®-46)

* Revision of the Catalogue of Feed Materials Regulation 68/2013/EU as adopted by the Standing Committee on Plants, Animals, Food and Feed section Animal Nutrition. FEDIOL 16SAF217; 22/12/2016.

02.15.06 Sunflower extraction meal from peeled or partially peeled seed**

** Positive List for Straight Feeding Stuffs, 11th Edition. Issued by: Central Committee of the German Agriculture, Standards Commission for Straight Feeding Stuffs. Berlin, 2016.

Production process

* By-products of vegetable oils and fats by means of pressing and/or extraction form oilseeds and fruits; widely used as a protein-source; both as a single feedstuff and as an ingredient in compound feed (feed material).
SunPro is a feed material of vegetable origin, produced by cyclic mechanical processing of sunflower extraction meal and forming one stream enriched in protein and another stream enriched in cellulose. The protein and cellulose streams are pooled by mixing until forming a single high-protein low-cellulose fraction, SunPro®-46. Subsequently, the raw material can be granulated.

** By-product of oil manufacture obtained by extracting sunflower cake from partially peeled or peeled sunflower seed under heat treatment. It can be set differently in the crude fiber and crude protein fraction by further mechanical processing (e.g. air sifting).

Designed use

(By-) products of oilseeds suit all types of farm animals. These products can also be fed as singular feedstuffs. Highly fibrous products are less suited for pigs and poultry. SunPro®-46 may replace soybean meal in the ration of farm animals, fish-farming, poultry.

(EU CFM No. 2.19.8.*; German Positive List No. 02.15.06**)

⚠	**Legal obligations**	Products comply with the applicable legislation. Most important elements: • EU Animal Feed Legislation: Regulation (EC) No 767/2009 on the placing on the market and use of feed; • Local Animal Feed Legislation; • Regulation (EC) No. 1829/2003 concerning genetically modified food and feed; • EC Directive 2002/32/EC on undesirable substances in animal nutrition; • Regulation (EC) No. 396/2005 concerning the maximum residue levels of pesticides.	
🚚	**Packaging and transport**	Bulk transport. Packaging in big bags of 40 kg polypropylene bags. Bulk transport by truck or vessel.	
🏷	**Labeling**	Regulation (EC) No. 767/2009; concerning the trade and use of animal feed Regulation (EC) No. 1830/2003; concerning the traceability and labeling of genetically modified organisms and the traceability of food and feed produced form genetically modified organisms.	
📦	**Storage and shelf-life**	Store in clean, dry, cool and dark, ventilated storage facilities, protected from pests and birds. Storage in bulk bin, flat stores or packaged in big bags. Shelf life: 6 months after production date.	

HAZARDS; STANDARDS AND TOLERANCES

		CRITICAL CONTAMINANT	**TOLERANCE**
🧪	**Chemical**	Undesirable substances as mentioned in: • EC Directive 2002/32/EC on undesirable substances in animal nutrition; • GMP+ BA1: Product Standards (including maximum residue levels); • Regulation (EC) No. 396/2005 concerning the maximum residue levels of pesticides.	Maximum levels in feed materials (mg/kg) based on moisture content of < 11.00 %.
		Forbidden feed materials as stated in: • Regulation (EC) nr. 767/2009, appendix III; • GMP+ BA3: Minimum requirements Negative List.	Absent
		Animal tissue proteins	Absent
		GMO (EU forbidden events)	Absent (zero tolerance). Please see Regulation (EC) nr. 619/2011, for the GMO events not yet allowed.
		GMO (events allowed in the EU)	Max. 0,9% in non-GMO products, as technically inevitable.
☷	**Micro-biological**	Salmonella	Absent in 25 g (0 CFU/25 g) (for delivery to stock farmers).
👁	**Physical**	Vermin, insects (alive)	Absent (0 %)
		Glass, parts of metal	Absent (0 %)

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