

Data Sheet for Feed Materials of the Positive List

Manufacturer / distributor	Bunge Austria GmbH Industriegelände West 3 A-2460 Bruck an der Leitha	<u>Administration:</u> Bonadiesstr. 3-5 D-68169 Mannheim
Designation of the feed / product	Sunflower meal feed extracted, partially or fully decorticated (no. 2.15.06 of the positive list) (no. 2.19.7 of the Catalogue of feed materials)	
Product description	Product of oil manufacture, obtained by extraction and appropriate heat treatment of expeller of sunflower seeds from which part or all of the hulls has been removed. May contain up to 1 % by-products and processing aids from integrated crushing and refining plants.	
Information on the production process	Sunflower seed meal feed is a product obtained during oil manufacture from sunflower seeds from which part or all of the hulls has been removed. After cleaning of the sunflower seeds, in a first instance, approximately half of the oil is extracted by way of pressing. The rest of the oil is then obtained from the press-cake using hexane. During the subsequent toasting process, the hexane is recovered, and anti-nutritive substances are simultaneously removed/reduced. Oil seed components, by-products and processing aids from integrated processing (e.g. lecithin and used bleaching earth) may, if appropriate, be re-fed to the meal. For a detailed processing description, please refer to the „Code of practice for the manufacturing of feed materials from oilseed crushing and refining plants“ ¹ .	
Processing aids	Hexane is used for oil extraction. By means of water vapour introduction and heat supply, hexane is removed from the meal. Free-flowing agents approved by feed law and/or the used bleaching earth may be used, where appropriate, to avoid caking during storage and transport.	
Information on the composition	Sunflower seed meal feed contains approx. 33,0% crude protein approx. 20,0% crude fibre approx. 2,0% crude fat	
Information on relevant undesirable substances within the framework of risk-oriented self-monitoring	Regular monitoring of undesirable substances in accordance with the relevant applicable legal rules and the control plans of QS Qualität und Sicherheit GmbH.	
Details about shelf life and storage	Sunflower seed meal feed is a highly digestible protein feed, which should preferably not be stored for longer than 3 months. Appropriate, controlled conditions must be ensured during storage. In order to prevent microbiological deterioration, the meal should be stored under dry conditions (max. 14% humidity).	
Safety information	Sunflower seed meal feed is non-toxic, biodegradable, and does not require any particular safety measures with respect to handling and transport. Safety data sheets are available for more detailed information ¹ .	
Indication of critical constituents	Residues of seed contaminants in the meal cannot be excluded. Residual hexane content < 300 ppm	

¹ to be obtained from the manufacturer/distributor