



1. Product Identification

Product Name: Corn Germ
Barcode: 8606105499149
Composition and appearance: Corn germ is the by-product of the industrial processing of corn. In the process of wet grinding the germs are separated from the corn grain. Appearance is a heterogeneous mixture of golden-yellow color with typical characteristic odor.

2. Characteristics

NAME / unit	Value	Limits	Analysis Method
Moisture (%)	max 5	-	MI.60 – SRPS EN ISO 1666
Fat (%)	min 40	-	MI.61 – SRPS EN ISO 3947
Celulose (%)	cca 10	-	MI.63 – Internal method
Starch (%)	cca 10	-	MI.64 – Polarimetric
Ash (%)	max 2.5	-	MI.65 – SRPS EN ISO 3593
Total protein (%)	cca 10	-	MI.62 – SRPS EN ISO 3188
Free Fat Acid content -FFA (% oleic acid)	max 4	-	MI.61a – Internal method
Heavy metals content			
Lead (mg/kg)	-	max 10	ICP/MS
Arsenic (mg/kg)	-	max 2	ICP/MS
Cadmium (mg/kg)	-	max 1	ICP/MS
Mercury (mg/kg)	-	max 0.1	ICP/MS
Microbiological criteria			
Listeria Monocytogenes (/25g)	negative	-	SRPS EN ISO 11290-1
Salmonella (/25g)	negative	-	SRPS EN ISO 6579

3. Legal Acts

- 3.1 Law on Food Safety, Official Gazette of the RS no. 41/09
3.2 Regulation on general and specific food hygiene requirements at any stage of production, processing and trade, Official Gazette of RS no.72/10
3.3 Regulation on the maximum allowable residues of pesticides in food and animal feed and of food and animal feed which is determined by the maximum allowable amounts of residues of plant protection, Official Gazette of the RS no. 29/14, 37/14, 39/14, 72/14
3.4 Regulations on the quality of the grain, milling and bakery products, pasta and frozen dough, Official Gazette SRJ no 52/95
3.5 Regulation on food additives, Official Gazette of RS no 63/13
3.6 Regulation on quality of animal feed, Official Gazette of RS, no.4/10

4. Marking/Declaration

In accordance with Regulations on the general declaration and marking of packed foodstuffs, Official Gazette of the RS no. 85/13

5. Packages

Paper bags, Big-Bags. Bulk.

6. Storage conditions/Transport

Storage: Bulk – silos with the possibility of elevation and covering, well ventilated floor storages. Packed – in closed, dry rooms and on pallets. Due to its high fat content and possible biochemical process, longer storage is not recommended

Transport: Closed vehicles.

7. Validity

6 months

8. Application

Corn germ, primarily due to the high content of oil-rich tocopherol vitamin E, as well as high caloric value of around 19 MJ/kg has significant application in human and animal nutrition:

- used as raw materials for production of quality edible oil, which has the special use value for consumers with elevated blood cholesterol
- in combination with other vegetable oils, corn oil used as raw materials for margarine
- corn germ, is used as animal feed, positively affects fertility

	Made by:	Approved:
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