

# CCM 85

## Feed material specification

### General info:

**CCM 85 (feed material – magnesium oxide – MgO)**

**Product code: 11.2.1 Calcined magnesium oxide**

**Producer registration number: SK 400179**

**Product characterisation:** Natural mineral product acquired by decomposition of magnesium carbonate ( $MgCO_3$ ) in a low heating process (900 - 1000 °C). CCM is used for widest spectrum of applications, mainly in agriculture as mineral raw material compound for animal feed.

**Production model:** Overhead mining of magnesite, crushing, separating and washing, rotary kiln firing, grading.

### Declared qualitative properties:

Qualitative properties	Limit value
<b>Chemical analyses:</b>	
MgO (%)	min. 83,0
Mg (%)	min. 50,0
CaO (%)	max. 5,5
Fe <sub>2</sub> O <sub>3</sub> (%)	max. 7,5
SiO <sub>2</sub> (%)	max. 1,0
<b>Heavy metals (mg/kg):</b>	
Lead ( Pb )	max. 10
Arsenic ( As )	max. 20
Mercury ( Hg )	max . 0,1
Cadmium ( Cd )	max . 2,0
<b>Fluorine volume (mg/kg):</b>	max. 600
<b>Radioactivity (Bq/kg):</b>	max. 500
<b>Toxic substances:</b>	
Dioxin (ng WHO-PCDD/F - TEQ/kg)	max. 0,5
Sum of dioxins and dioxin-like PCB (ng WHO-PCDD/F-PCB-TEQ/kg)	max. 1,0
Dioxin-like PCBs (ng WHO-PCB-TEQ/kg)	max. 0,35
Non-dioxin-like PCBs (µg/kg (ppb))	max. 10



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### Physical properties:

Granulometric analyses: 0 – 1 mm (fraction + 1 mm max. 10 %)

### Other product properties:

#### Sensitive properties:

Color: Light brown

Odor: No odor

Consistence: Unshaped coarse material

**Salmonella:** No abundance

**Moulds:** max. 10<sup>6</sup> CFU/g

**Aflatoxin B1:** max. 0,02 mg/kg

### Used materials and supportive substances:

Feed raw material CCM 85 consists of one substance only and in a production process there are no other components added.

### Requirements (legal standards):

183/2005/EC	Directive which allocates requirements for feed hygiene
1831/2003/EC	Directive about supplement substances allocated for animals nutrition
2002/32/EC	Directive about ineligible substances in animal feed
70/524EEC	Directive about supplemented substances in feed products
68/2013	Directive about catalogue for feeding products
454/2010	Directive about temporary precautions in feed marking
438/2006	Directive about ineligible substances and other safety precautions in feed usage
271/2005	Feedstuff law
152/1995	Foodstuff law
767/2009	Directive about feedstuff actuation on the market and its usage

### Storage:

Product must be stored in original and closed packages - in dry hygienically clean, well air-conditioned and closed stores or silos separated from food, drinks and drugs without rodent accessibility.

Liquidation of unused resp. dispersed material according to each country legal legislation.

Package liquidation: Separated secondary crude collection.



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**Shelf time:** 12 months from the date of production

**Packing:** Loose products in truck tanks and containers, Big-bags 0,5-1,2 t, paper sacks 25kg - 40 pcs. per pallet.

**Transport:** Truck tanks, lorries and containers.

Product transport is strictly realized only in properly cleaned and closed vehicles. Product loading is realized according to GMP+ B4 (Transport) and IDTF (International Database Transport (for) Feed) regulations.

**Usage:** Product is used for farm animals (cattle, goats, sheep, pigs and poultry).

**Dosage instructions:** Feeding raw material CCM 85 is handed to cattle as a mineral compound incorporated in a feedstuff.

MgO volume in mixture depends on the age of animals, production focus and amount of Mg in other components used in feedstuff production. Dosage is correlated to animals nutrition rules.

**Preparation instructions:** Feeding raw material CCM 85 is added into feedstuff in proposed volume together with other components and it is mixed in mixers till optimal homogeneity is achieved.

**Usage restrictions:** Product is not suitable for social animals (dogs, cats, etc.)

**Producer:** Slovak magnesite works, joint stock company, Jelšava  
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Slovensko

### **Contact:**

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