

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
Chemical analyses:	
MgO (%)	min. 83,0
Mg (%)	min. 50,0
CaO (%)	max. 5,5
Fe ₂ O ₃ (%)	max. 7,5
SiO ₂ (%)	max. 1,0
Heavy metals (mg/kg):	
Lead (Pb)	max. 10
Arsenic (As)	max. 20
Mercury (Hg)	max . 0,1
Cadmium (Cd)	max . 2,0
Fluorine volume (mg/kg):	max. 600
Radioactivity (Bq/kg):	max. 500
Toxic substances:	
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. 10⁶ 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
82/471/EEC	Directive about certain products used for animals nutrition
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
767/2005	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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