



Produktspezifikation PS 03

EM1 (soil conditioner, manufactured using living micro-organisms (lactic acid bacteria, phototropic bacteria, yeasts))

1. General information about the product and the supplier

Product name:

EM1 – soil conditioner, manufactured using living microorganisms (lactic acid bacteria, phototropic bacteria, yeasts)

Manufacturer:

EMRO EHG Deutschland GmbH

Galgenbergstr. 3/1

D-74626 Bretzfeld-Schwabbach

Tel: ++49-(0)7946-947 351

Fax: ++49-(0)7946-947 510

Email: info@emro-ehg.de

Certifications of the manufacturer:

ISO 22000 Food safety management system

Organic certification acc. to European organic regulation (EC) No. 834/2007 (DE-ÖKO-006)

GMP+ B1 certification (Standard for feed-safety)

Can be used acc. to Article 3 No. 4 of Regulation (EC) No. 889/2008 in organic farming.

2. Product specific information

Ingredients:

water, vegetable materials from the processing industries (sugar cane molasses), living micro-organisms (lactic acid bacteria, phototropic bacteria, yeasts).

Shelf life:

Unopened Best Before: DD.MM.YY

Shelf life 12 month (from production date), if the container is not opened.

Store at 4°C-25°C. After opening use within 6 weeks. Close the package after each opening immediately, so that oxygen comes into the package as little as possible.



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Lot-Number:

Batch reference number:

EM1 180519

Labeling after filling into other containers (for example IBC containers):

EM1180519-1

EM1 180519-2

EM1 180519-3

EM1 180519-4

Labeling after filling into canisters (e.g. 5L, 10L or 20L) or other containers (for example BiB and PET bottles):

EM1 180519

Usage instructions:

Designed for inoculation of soils with microorganisms which occur in nature. Suitable for all kind of soils.

Application in gardens: 4-6 times per year 20ml per 1L water and square meter.

Application for pot-plants: 20ml per 1L water. Prepare always fresh and use within 24h.

Application in agriculture, forestry and horticulture: 4-6 times per year 20L and 100L water per hectare during the growing season.

3. Packaging and trading units

Food safe plastic-IBC-containers, plastic-canisters made of PE, PET bottles
600L or 1000L Container; 5L, 10L or 20L canisters; 1000ml or 500ml bottles.

4. Conditions for storage and transport

Protect from direct sunlight. Protect from frost.

Storage and transport temperature between 4°C – 25°C.

Do not transport together with hazardous materials.

5. Sensory, physical, microbiological und chemical parameters

Sensory characteristics:

Color: brown, not clear

Smell: sweet-sour

Taste: sour



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Physical properties:

Foreign particles: none

pH between 3,0 and 3,6

Microbiological properties:

Enterobacteriaceae: < 1 CFU/g

Salmonella: not detectable in 25g

Moulds: < 10 CFU/g

Yeasts: > 500 CFU/g

Lactic acid bacteria: >10.000 CFU/g

Phototropic bacteria: > 1000 CFU/g

Chemical Analysis values:

Nutrients:

N	Nitrogen	0,18% in the fresh-mass
P ₂ O ₅	Phosphate	0,0078% in the fresh-mass
K ₂ O	Potassium oxide	0,2% in the fresh-mass
Organic substance:		2,3 % in the fresh-mass
Dry matter:		3,0 % in the fresh-mass

6. Legal basis:

The product complies with the following regulatory requirements of fertilizer ordinance in Germany in the respectively relevant version:

- German DÜMV – Fertilizer Ordinance
- German Weights and Measures Act (Gesetz über das Mess- und Eichwesen)
- German Finished Pack Regulation (Verordnung über Fertigpackungen)
- Can be used acc. to Article 3 No. 4 of Regulation (EC) No. 889/2008 in organic farming.

We hereby confirm for this product,

- a) that this product is neither a genetically modified organism (GMO) itself, nor does it contain any such organisms
- b) that this product is not produced from or by GMOs. Neither do we have knowledge of any information that would implicate that this statement is incorrect.



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There is no labeling required acc. to regulations (EC) No. 1829/2003 and No. 1830/2003 (labeling and traceability of GMO).

The product was not treated with ionizing radiation.

The product was not sulfurated (no sulfites).

The product was not fumigated (no modified atmosphere).

7. Information on allergenes

Not applicable.

8. Other notes:

Distribution only to trading partners, not to end-consumers.