

DATA SHEET

ZEP70

Chabazite zeolitite

NATURAL IMPROVER ALLOWED IN ORGANIC FARMING

(17/01/2017 Decret from Ministry of Agricultural, Food and Forestry Policies)

PROPERTIES

Bal-co GreenLine ZEOLITE is guaranteed, in accordance with the analysis methods described in the attached DL n.1337 of 24/1/2014, about Cation Exchange Capacity (CEC) and quali-quantitative characterization of the crystalline and amorphous phases, performed with the RIETVELD method.

CHEMICAL ANALYSIS	Typical
SiO ₂	51.0%
Al ₂ O ₃	17.5%
CaO	5.8%
K ₂ O	6.2%
Fe ₂ O ₃	3.4%
MgO	1.7%
Na ₂ O	0.5%
TiO ₂	0.5%
MnO	0.2%
P ₂ O ₅	0.2%
LOI	13.0%
Pb	12 ppm
As	4 ppm
Cd	2 ppm
Zn	15 ppm
Cu	Traces

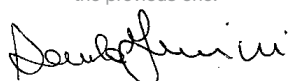
MINERALOGIC COMPOSITION	Average
Chabazite	65%
Phillipsite	3%
K-feldspar	5%
Biotite	2%
Pyroxene	3%
Volcanic glass	22%
Total zeolite content	68%

GRANULOMETRY	Typical
AVAILABLE SIZE	
	0 - 3 mm
	0 - 6 mm
	3 - 6 mm
	6 - 30 mm

Max. Moisture: 30%

Ed. 4 of 10/07/15

This data sheet undoes and substitutes
the previous one.



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This product and all its components are usable in biological agriculture, in accordance with 834/2007 and 889/2008 EC Regulations. Permission is not required in accordance with DM of 27/11/2009, n° 18345



FEED



PURIFY

- Reduces farming costs;
- Improves roots development and productivity;
- Respects environment and health.

ZEP70, a granulometric selected zeolitite, thanks to its high cation exchange capacity and marked selectivity for ammonia nitrogen and potassium given by fertilizers:

- Keeps these elements close to the root area, to then slowly release them according to the plants' phenological needs.
- Improves the water retention of the soil and increases the amount of water available to the plants.
- Can recall helpful microorganisms and host them in its structure.
- Contains potassium and does not contain sodium.
- Drastically reduces leaching of nitrogen from fertilizers leading to a significant reduction of pollution in the water system.

DOSAGE

- 10-15% added to fertilizer
- For new systems, 200/300 gr per young vine plant;
- **CLAY SOIL:** 3-5 kg/m² Recommended size: 3-6 mm (ZEP7036)
- **SAND SOIL:** 1-2 kg/m² Recommended size: 0-3 mm (ZEP7003)

PHYSICAL PROPERTIES

- Cationic exchange capacity: $2,1 \pm 0,1$ meq/g with marked selectivity for cations with low-solvation energy (NH₄,K,Pb,Ba)
- Water retention: 40% (w/p);
- Effective pore diameter: 3,9 Å
- Bulk density: 0,7-1,0 g/cm³ depending on granulometry

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