

Certified translation from Croatian into English

ZAGREB FACULTY OF AGRICULTURE
MCMXIX
FACULTY OF AGRICULTURE
UNIVERSITY OF ZAGREB
DEPARTMENT OF PLANT NUTRITION
Street name and house number: *Svetošimunska 25*
Postal code and place name: *10 000 Zagreb*

No.: 165-12/03Pl.
At Zagreb
December 12th, 2003

Style:

TRIBO TECH LIMITED LIABILITY COMPANY

FOR SALE OF HIGH
TECHNOLOGY PRODUCTS

Place name: **OSIJEK**

Street name and house number: *Svilajska 31*

R e p o r t
on

results of chemical analysis of
the MEGAGREEN soil improver

On the basis of the letter of the TRIBO TECH Company we have made a chemical analysis of your product named MEGAGREEN. On the basis of the chemical analysis we are giving our opinion for the purpose of registration of the product at the Ministry of Agriculture and Forestry.

On receipt of 4 specimen by the laboratory of the Department of Plant Nutrition of the Faculty of Agriculture we have analysed the same as parallel specimen. As can be seen from results of chemical analyses, set out in the 1st table, there is no significant difference between single elements' contents of the specimen in question. From that we can draw the conclusion that MEGAGREEN is a very homogeneous product. Furthermore we can see from the results of chemical analyses that the major part of this product is composed of calcium (Ca) oxides, magnesium (Mg) oxides and iron (Fe) oxides, as well as aluminium silicates (Al_2O_3 and Fe_2O_3). In addition to the aforementioned elements Megagreen contains relatively significant quantities of minor elements (Mn, Zn, Cu).



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The quantity of heavy metals (Pb, Cd, Cr, Hg, Ni) is considerably below the max. permissible concentration provided by the By-Law on Protection of Agricultural Land from Pollution by Harmful Substances. The analysed product doesn't contain any substances whatsoever which could harm the agricultural production and can be classified as an **inorganic soil improver**. As the product is basically composed of soft limestone and dolomite, the material is extraordinarily suitable for calcification of acid soils. It is necessary to test the material's efficiency in the plant production by vegetative experiments concerning various crops.

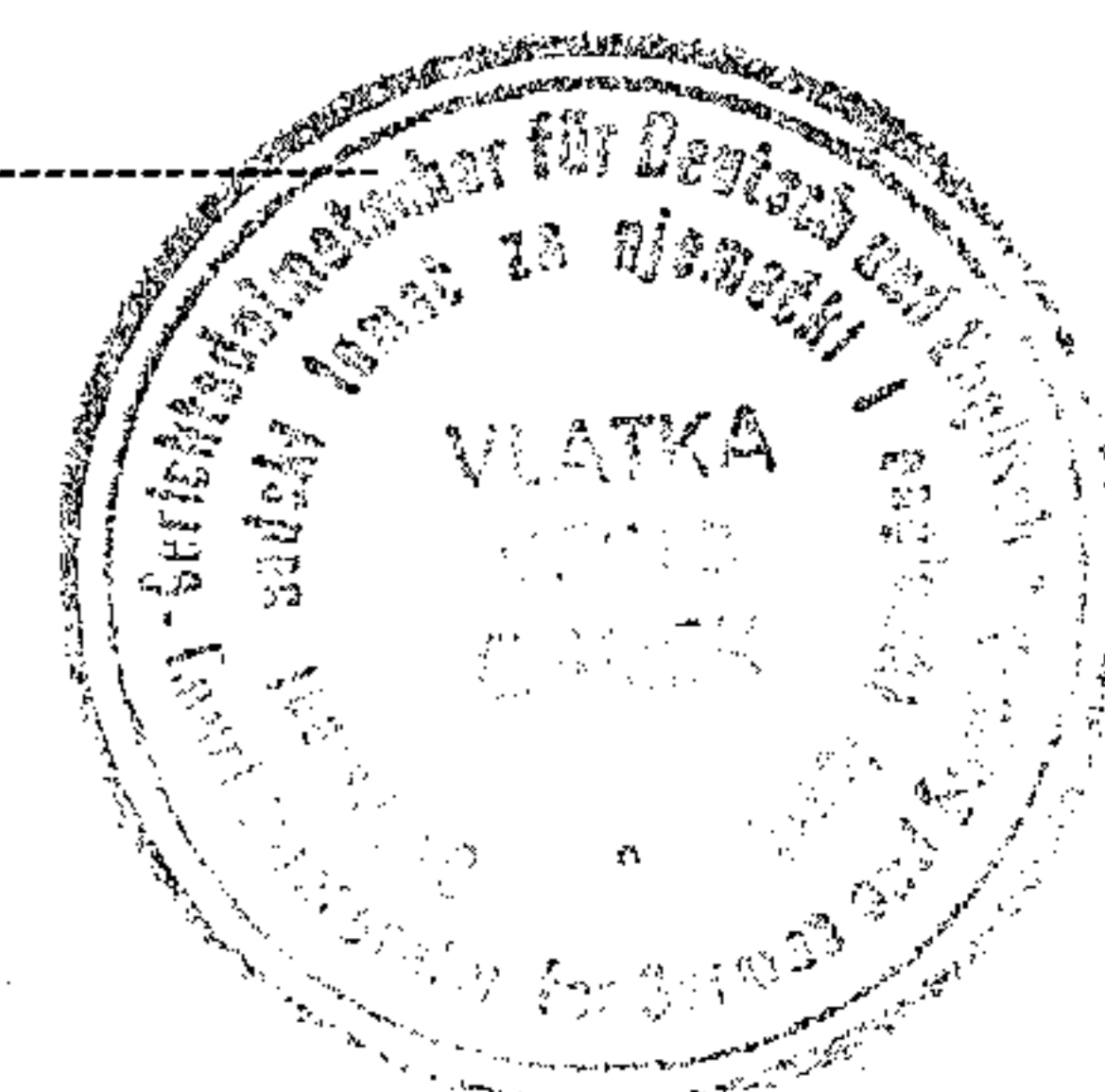
Street name and house number: *Svetošimunska 25* * Postal code and place name: *10 000 Zagreb* * *Croatia* * Tel.: *01 / 2393 - 885* *
Facsimile: 01 / 2393 - 605



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1st table: Results of chemical analysis of the MEGAGREEN soil improver

| Ordinal number | IDENTIFICATION OF CHEMICAL ANALYSIS | Unit of measure | Analytic number and identification of specimen | | | |
|----------------|-------------------------------------|-----------------|--|-------|-------|-------|
| | | | 196 | 196a | 196b | 196c |
| | | | UZ-1 | UZ-2 | UZ-3 | UZ-4 |
| 1 | Dry substance | % | 99,29 | 99,30 | 99,35 | 99,30 |
| 2 | H ₂ O | % | 0,71 | 0,70 | 0,65 | 0,70 |
| 3 | soluble in H ₂ O | % | 2,40 | 2,90 | 2,20 | 2,90 |
| 4 | soluble in 0,1M HCl | % | 51,80 | 59,60 | 55,40 | 60,00 |
| 5 | soluble in 1,0M HCl | % | 79,78 | 79,85 | 79,80 | 79,80 |
| 6 | glowed rest (550 °C) | % | 97,55 | 97,20 | 97,60 | 97,25 |
| 7 | loss due to glowing (550 °C) | % | 2,45 | 2,80 | 2,40 | 2,75 |
| 8 | loss due to glowing (1100 °C) | % | 32,90 | 33,00 | 33,30 | 33,10 |
| 9 | C - organic | % | 0,130 | 0,160 | 0,134 | 0,150 |
| 10 | %N - total | % | 0,070 | 0,070 | 0,070 | 0,071 |
| 11 | P ₂ O ₅ total | % | 0,012 | 0,011 | 0,011 | 0,011 |
| 12 | K ₂ O total | % | 0,62 | 0,60 | 0,60 | 0,61 |
| 13 | Na total | % | 0,181 | 0,180 | 0,189 | 0,190 |
| 14 | CaO | % | 44,10 | 44,00 | 44,10 | 44,10 |
| 15 | MgO | % | 2,20 | 2,00 | 2,22 | 2,09 |
| 16 | Fe ₂ O ₃ | % | 1,20 | 1,21 | 1,19 | 1,20 |
| 17 | Al ₂ O ₃ | % | 0,70 | 0,71 | 0,69 | 0,70 |
| 18 | SiO ₂ | % | 9,10 | 9,00 | 8,95 | 9,00 |
| 19 | ²⁻ SO ₄ | % | 0,11 | 0,11 | 0,11 | 0,11 |
| 20 | Mn | mg/kg | 132,0 | 130,0 | 131,9 | 139,5 |
| 21 | Zn | mg/kg | 60,00 | 59,30 | 59,00 | 58,10 |
| 22 | Cu | mg/kg | 22,50 | 23,0 | 23,3 | 23,0 |



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| | | | | | | |
|----|----|-------|--------|--------|--------|--------|
| 23 | Ni | mg/kg | 3,30 | 3,29 | 3,29 | 3,29 |
| 24 | Cd | mg/kg | 0,98 | 0,96 | 1,00 | 0,96 |
| 25 | Pb | mg/kg | 11,50 | 11,29 | 11,66 | 11,60 |
| 26 | Cr | mg/kg | 3,25 | 3,26 | 3,25 | 3,26 |
| 27 | Hg | mg/kg | traces | traces | traces | traces |

Person responsible for analyses:
(provided with an illegible auto-
graph signature)

(Ivan Pavlović, engineer)

Head of the Department of
Plant Nutrition

(provided with an illegible auto-
graph signature)

*(Ph.D. Tomislav Ćosić,
assistant professor)*

Round official seal:
REPUBLIC OF CROATIA
FACULTY OF AGRICULTURE
UNIVERSITY OF ZAGREB
Department of Plant Nutrition

***** END OF TRANSLATION *****



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I, Vlatka Vekić, Certified Court Interpreter for English, German, Italian and French, appointed under decision number 4 - Su - 517/03 - 2, made by the president of the County Court of Osijek on June 30th, 2003, do hereby solemnly and sincerely declare that the foregoing is a true and full translation made by me of the Croatian original, which was submitted to me for translation and in testimony whereof I have hereunto set my hand and affixed my official seals.

Vlatka Vekić
Certified Court Interpreter

Encl.: 1 photostatic copy of the Croatian original

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At Osijek/Republic of Croatia
June 3rd, 2004

No. 607/2004



