

## MICRONUTRIENTS

## Manganese chelate-EDTA 13%

May 2019

Origin: Poland

EC FERTILISER

Reach Reg. 01-2119493600-40

## Section 1 | Description

|                  |   |
|------------------|---|
| Brand name       | Van Iperen Oligo Manganese-EDTA 13%                         |
| Chemical name    | Ethylenediaminetetraacetic acid, manganese disodium complex |
| Chemical formula | $C_{10}H_{12}N_2O_8Na_2Mn$                                  |
| Appearance       | White-yellow microgranules                                  |

## Section 2 | Chemical composition

|                                  |                  |
|----------------------------------|------------------|
| Manganese (Mn), chelated by EDTA | 13% +/- 0.4% w/w |
|----------------------------------|------------------|

## Section 3 | Heavy metals

|              |            |              |             |
|--------------|------------|--------------|-------------|
| Arsenic (As) | < 0.5mg/kg | Mercury (Hg) | < 0.01mg/kg |
| Cadmium (Cd) | < 2mg/kg   | Lead (Pb)    | < 1mg/kg    |
| Chrome (Cr)  | < 1mg/kg   |              |             |

## Section 4 | Physical properties

|                            |  |
|----------------------------|--|
| Density                    | 0.7 +/- 0.05g/cm <sup>3</sup>  |
| pH                         | 6 +/- 1 (in 1% solution)   5.5 +/- 1 (in 0.1% solution)                  |
| Electric conductivity (EC) | 3.2 +/- 0.2mS/cm (in 1% solution)   0.4 +/- 0.02mS/cm (in 0.1% solution) |
| Solubility                 | 412g/L   |
| Insolubles                 | < 0.05%  |
| Moisture                   | < 5%   |
| % nutrients chelated       | 100%   |



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