

## 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
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## 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%