

August 2017

Origin: The Netherlands

Section 1 / Description:

Brand name	Van Iperen Colo 10 - 5 - 38 + 3MgO + TE
Chemical name	NPK fertiliser with micro-nutrients
Chemical formula	NPK 10 - 5 - 38 + 3MgO + TE
Appearance	White crystalline powder

Section 2 / Chemical composition:

Total Nitrogen (N)	10% w/w
Nitric Nitrogen (N-NO ₃)	8.9% w/w
Ammoniacal Nitrogen (N-NH ₄)	1.1% w/w
Phosphorus Pentoxide (P ₂ O ₅)	5% w/w (soluble in neutral ammonium citrate and in water)
Phosphorus Pentoxide (P ₂ O ₅)	5% w/w (soluble in water)
Potassium Oxide (K ₂ O)	38% w/w (soluble in water)
Magnesium Oxide (MgO)	3% w/w (soluble in water)
Sulphur Trioxide (SO ₃)	13% w/w (soluble in water)
Boron (B)	0.01% w/w
Copper (Cu), EDTA chelated	0.006% w/w
Iron (Fe), EDTA chelated	0.05% w/w
Manganese (Mn), EDTA chelated	0.03% w/w
Molybdenum (Mo)	0.004% w/w
Zinc (Zn), EDTA chelated	0.008% w/w

Section 3 / Physical properties:

Density	1.1 +/- 0.2 g/cm ³		
pH	5 - 7 (in 10% solution)		
Electrical Conductivity (EC)	11.4 +/- 2 mS/cm (in 1% solution)		
Solubility	277 g/L	Insolubles	< 0.05%
Granulometry	< 2mm: > 80%	Humidity	< 1%