



**MENAFERT**

Technical Data Sheet

**Water Soluble NPK**  
**19 - 19 - 19 + TE**

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## MENAFERT

Water Soluble NPK

19-19-19 + TE

### Description

Brand Name	MENAFERT 19 - 19 - 19 + TE
Formula	19 - 19 - 19 + TE
Color	No color

### Chemical Composition

Total Nitrogen (N)	19 %
Nitrate N (N-NO <sub>3</sub> )	5.4 %
Ammoniacal N (N-NH <sub>4</sub> )	6.0 %
Urea N (N-NH <sub>2</sub> )	7.5 %
Phosphoric Pentaoxide (P <sub>2</sub> O <sub>5</sub> )	
soluble in water and neutral ammoniacal citrate	19.0%
soluble in water	19.0%
Potassium Oxide (K <sub>2</sub> O)	
soluble in water	18.9%
Magnesium Oxide (MgO)	
soluble in water	0.0%
Sulfur Trioxide (SO <sub>3</sub> )	6.5%
Trace Elements	
Bore (B)	81 ppm
Iron (Fe) EDTA chelated	197 ppm
Copper (Cu) EDTA chelated	20 ppm
Manganese (Mn) EDTA chelated	98 ppm
Molybdenum (Mo)	9 ppm
Zinc (Zn) EDTA chelated	20 ppm

### Physical Properties

Product Density	1.0 Kg/L
Solubility	494.7 g/L at 20 °C
EC	1.1 mS/cm
pH	5 - 7 in 10% water solution