



Technical Specification

General Description

Kristalon™ Red 12+12+36

Water-soluble N,P,K fertiliser containing magnesium and trace elements

CHEMICAL SPECIFICATIONS		Typical analysis			Minimum content	
		%	mmole/kg		%	mmole/kg
Primary nutrients:						
total nitrogen	N	12.0	8567		10.9	7782
ammoniacal nitrogen		1.9	1356			
nitrate nitrogen		10.1	7211			
total phosphorus pentoxide	P ₂ O ₅	12.0	846	5.2 % P	10.9	768
P ₂ O ₅ soluble in neutral ammonium citrate		12.0				
P ₂ O ₅ soluble in water		12.0				
potassium oxide soluble in water	K ₂ O	36.0	3822	29.9 % K	34.9	3705
Secondary and minor elements:						
Magnesium	MgO	1.0000	248.08	0.60 % Mg	0.7500	186.06
Boron	B	0.0250	23.125		0.0200	18.500
Copper (70% EDTA chelate)	Cu	0.0100	1.574		0.0080	1.259
Iron (100% EDTA chelate)	Fe	0.0700	12.535		0.0560	10.028
Manganese (70% EDTA chelate)	Mn	0.0400	7.281		0.0320	5.825
Molybdenum	Mo	0.0040	0.417		0.0032	0.334
Zinc (70% EDTA chelate)	Zn	0.0250	3.823		0.0200	3.059

PHYSICAL PROPERTIES

EC (1g/l at 25°C)	1.2 mS / cm
pH (1% solution at 20°C)	5.0
Solubility (20°C)	Min. 100 g/l
Physical appearance	Red-pink crystalline powder