



PRODUCT DATA SHEET - SPECIALTY FERTILIZERS

Ultrasol® MagK B **Agricultural Grade - Crystallized**

GENERAL DESCRIPTION	
CHEMICAL FORMULA	Not applicable
APPEARANCE	White Crystals
ORIGIN	Nonsynthetic (natural brines)
TRADE NAME	Ultrasol® MagK B

CHEMICAL SPECIFICATIONS		
GUARANTEED		
POTASSIUM	K ₂ O %	13 min
MAGNESIUM	MgO %	9 min
SULFUR	S %	6 min
SULFUR	as SO ₄ %	18 min
CHLORIDE	Cl %	35 max
BORON	B %	0.5 max

CHEMICAL SPECIFICATIONS		
TYPICAL		
POTASSIUM	K ₂ O %	13.5
MAGNESIUM	MgO %	10.0
SODIUM	Na %	7.0 - 9.0
SULFUR	as SO ₄ %	19 - 21
CHLORIDE	Cl %	30 - 32
BORON	B %	0.3
pH (1g/L @ 20 °C)		8.2 - 8.7
WEIGHT LOSS (1 hr @ 60°C)	%	< 0.25

TYPICAL SCREEN ANALYSIS			
(CUMULATIVE %)			
US Standard Sieve	Tyler	mm	
+20	+20	0.85	11%
+50	+48	0.30	45%
+100	+100	0.15	71%
+140	+150	0.10	84%
+200	+200	0.075	95%
-200	-200	< 0.075	5%

PHYSICAL PROPERTIES	
SOLUBILITY (in water at 20°C)	≈ 70 g/100 cm ³
ELECTRICAL CONDUCTIVITY (1 g/L @ 20 °C)	1.3 - 1.6 mS/cm
DENSITY (Bulk)	≈ 1.06 ton (metric) /m ³
ANGLE OF REPOSE	33°

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