



## PRODUCT DATA SHEET

### KRISTA K POTASSIUM NITRATE

### HORTICULTURAL GRADE - CRYSTALLINE CAS N° 7757 - 79 - 1 (Contains an Anticaking Agent)

#### GENERAL DESCRIPTION

CHEMICAL FORMULA  
APPEARANCE  
INTERNAL CODE

**KNO<sub>3</sub>**  
**White CRYSTALS**  
**NPC**

#### CHEMICAL SPECIFICATIONS GUARANTEED

NITROGEN ( 100% NITRATE)	N	%	13.5	min
POTASSIUM	K <sub>2</sub> O	%	45,5	min
CHLORIDE	Cl	%	0.6	max

#### CHEMICAL SPECIFICATIONS TYPICAL

NITROGEN ( 100% NITRATE)	N	%	13.6	
POTASSIUM	K <sub>2</sub> O	%	45,8	
CHLORIDE	Cl	%	0.4	
INSOLUBLES		%	0.1	

#### TYPICAL SIEVE ANALYSIS (CUMULATIVE %)

US Standard sieve	Tyler	mm	
+40	+35	0.43	2%
+100	+100	0.15	67%
+140	+150	0.11	87%
+200	+200	0.08	96%

#### PHYSICAL PROPERTIES

MOLECULAR WEIGHT	101.1
MELTING POINT	333 °C
SOLUBILITY ( in water at 20 °C)	31.6 g/ 100 cm <sup>3</sup>
DENSITY (Bulk)	1.16 ton (metric) /m <sup>3</sup>
ANGLE OF REPOSE	30 °
SPECIFIC GRAVITY	2.110

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