



**PRODUCT DATA SHEET - SPECIALTY FERTILIZERS**

**POTASSIUM NITRATE** **Agricultural Grade - Prilled**  
CAS N° 7757- 79 - 1 (Contains an Anticaking Agent)

<b>GENERAL DESCRIPTION</b>	
CHEMICAL FORMULA	KNO <sub>3</sub>
APPEARANCE	White Prills
INTERNAL CODE	NPP

<b>CHEMICAL SPECIFICATIONS</b>			
<b>GUARANTEED</b>			
PURITY	as KNO <sub>3</sub>	%	96.6 min
NITROGEN (100% NITRATE)	N	%	13.5 min
POTASSIUM	as K <sub>2</sub> O	%	45 min
CHLORIDE	Cl	%	0.6 max

<b>CHEMICAL SPECIFICATIONS</b>			
<b>TYPICAL</b>			
NITROGEN (100% NITRATE)	N	%	13.6
POTASSIUM	as K <sub>2</sub> O	%	45.3

<b>TYPICAL SIEVE ANALYSIS</b>			
<b>(CUMULATIVE %)</b>			
US Standard Sieve	Tyler	mm	
+8	+8	2.36	13%
+12	+10	1.70	57%
+16	+14	1.18	96%
+20	+20	0.85	99%

<b>PHYSICAL PROPERTIES</b>	
MOLECULAR WEIGHT	101.1
MELTING POINT	333 °C
SOLUBILITY (in water at 20 °C)	31.6 g/ 100 cm <sup>3</sup>
DENSITY (Bulk)	1.19 ton (metric) /m <sup>3</sup>
ANGLE OF REPOSE	21°
SPECIFIC GRAVITY	2.110

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