



PRODUCT DATA SHEET - SPECIALTY FERTILIZERS

POTASSIUM NITRATE

Hydroponical Grade - Crystallized

CAS N° 7757-79-1 (Contains an Anticaking Agent)

GENERAL DESCRIPTION	
CHEMICAL FORMULA	KNO ₃
APPEARANCE	White Crystals
INTERNAL CODE	NPC-TA

CHEMICAL SPECIFICATIONS			
GUARANTEED			
PURITY	as KNO ₃	99.3	min
NITROGEN (100% NITRATE)	N	13.7	min
POTASSIUM	as K ₂ O	46	min
CHLORIDE	Cl	0.2	max

CHEMICAL SPECIFICATIONS			
TYPICAL			
NITROGEN (100% NITRATE)	N	13.8	
POTASSIUM	as K ₂ O	46.4	
CHLORIDE	Cl	0.1	
INSOLUBLES		0.02	

TYPICAL SIEVE ANALYSIS			
(CUMULATIVE %)			
US Standard Sieve	Tyler	mm	
+40	+35	0.43	6%
+100	+100	0.15	75%
+140	+150	0.11	89%
+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 ³
DENSITY (Bulk)	1.26 ton (metric) /m ³
ANGLE OF REPOSE	30 °C
SPECIFIC GRAVITY	2.110

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