

PRODUCT IDENTITY

PRODUCT NAME	Potassium nitrate	PRODUCT NUMBER	P433900
Grades & Purity	UltraBio™, Ultra pure, ≥99%	VERSION	3
CAS NUMBER	7757-79-1	FORMULA	
FORMULA WEIGHT	g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(P433900)	White Powder or Crystals
Solubility (1M in Water at 20 °C)Colorless Clear	Pass
Purity (Titration by NaOH)	99-101 (%)
Aluminum(Al)	0-5 (ppm)
Calcium(Ca)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Lead(Pb)	0-10 (ppm)
Magnesium (Mg)	0-5 (ppm)
Phosphorus (P)	0-5 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Sodium(Na)	0-50 (ppm)
Zinc(Zn)	0-5 (ppm)
Chloride Content	0-20 (ppm)
Sulfate(SO ₄ ²⁻)	0-30 (ppm)
Insoluble matter	0-0.01 (%)
Ammonia (NH ₄)	0-0.05 (%)
X-Ray Diffraction	Conforms to Structure