

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Electrolyte Solution Potassium Nitrate 1.0 M

Catalog Number : I-9053

Batch Number : 9053-00000000

CAS Number : 7757-75-1 (mixture)

Molecular Weight : 101.11 g/mol

Mol. Formula : KNO_3

Expire Date : 24 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Clear and colourless liquid	Clear and colourless liquid
2	Amount of substance concentration, $c(\text{KNO}_3)$ by acidimetric	1.0 M +/- 0.02 M	1.0016 M
3	pH	Neutral, around 7	7.13
4	Density at 20 °C	About 1.0 g/cm ³	1.0 g/cm ³
5	Water solubility	Complete miscible	Conform

Typical Usage:

This Solution is commonly used as a filling solution for ion-selective electrodes (ISE) ,Bridge electrolyte for ISE half-cells, particularly the DX series .Used for the determination of ammonium, potassium, and nitrate , It also serves as a reference fill solution for various electrodes, including those for bromide, cadmium, chloride, copper, cyanide, iodide, lead/sulfate, and silver/sulfide.

LABOTIQ Product Specification compared with standard Solution traceable to NIST

Note: The expiration date is for an unopened container.

Expiry date: 12 months from the date of opening



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Manager QC