

# Solution Report

## Target Soltion

Solution ID: 2



**Solution Name** Nitrate Standard  
**Type** Ionic  
**Concentration** 1000 mg/L (ppm)  
**Total Volume** 1 L  
**Solvent** Deionized water  
**Ion Formula** NO<sub>3</sub>

## Starting Reagent



**Reagent Name** Sodium Nitrate  
Physical State: Solid  
Assay: 98 % w/w  
Molecular Formula: NaNO<sub>3</sub>  
Molecular Weight: 84.994708 g/mol  
No of Ions Per Molecule: 1

**Amount Required** 1.3987 g

## Procedure

1. Pour suitable amount of solvent into an empty volumetric flask of size (1 L) .
2. Weigh exactly 1.3987 g from starting reagent (Sodium Nitrate) and transfer it into the volumetric flask.
3. Shake the volumetric flask untill all reagents dissolved or mixed and become homogeneous then complete with solvent to total volume (1 L) . Shake before use.

## Note

Example Nitrate ionic standard