



# Product Specification

## Product Name: SODIUM NITRATE AR

Alternate Name(s)

### Description

White granules or powder, or colourless, transparent crystals; deliquescent; odourless; saline slightly bitter taste.

### Properties

Chemical Formula:

Molecular Weight: 84.99

Product Code: SA098

CAS No. 7631-99-4

### General Information:

Soluble in glycerol. Incompatible with strong reducing agents, finely powdered metals, strong acids, organic materials. Explosive with boron phosphide, cyanides, sodium thiosulfate.

### Hazard and Safety Data

UN Group: III  
Class: 5.1  
UN Number: 1498  
Hazchem code: 1[Z]  
CS MSDS Code: 1CH6M  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: 31

### Quality Specification

Assay: 99.0% min.

### Specific Properties and Impurities [Typical levels]:

pH of a 5% solution @ 25°C	5.5-8.3
Insoluble matter	≤ 0.005%
Chloride (Cl)	≤ 0.001%
Iodate (IO <sub>3</sub> )	≤ 0.0005%
Nitrite (NO <sub>2</sub> )	≤ 0.001%
Phosphate (PO <sub>4</sub> )	≤ 0.0005%
Sulfate (SO <sub>4</sub> )	≤ 0.003%
Heavy metals (as Pb)	≤ 0.0005%
Calcium (Ca)	≤ 0.005%
Iron (Fe)	≤ 0.0003%
Magnesium (Mg)	≤ 0.002%

CONFORMS TO ACS

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