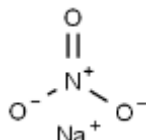


TIQ-F-QC-003  
 Rev.00

## Technical Data Sheet

### SODIUM NITRATE 99% AR

Nitric acid sodium salt



|                   |                   |                  |                    |
|-------------------|-------------------|------------------|--------------------|
| Product Code      | O-5197            | Grade            | Analytical Reagent |
| Purity            | 99%               | CAS No           | 7631-99-4          |
| Molecular Formula | NaNO <sub>3</sub> | Molecular Weight | 84.99 g/mol        |
| H.S.Code          | 3102.5000         | Shelf Life       | 60 Months          |

## Physical Properties

|                |        |                     |                                 |
|----------------|--------|---------------------|---------------------------------|
| Physical state | Solid  | pH value            | 5,5 - 8,0 at 50 g/l at 20 °C    |
| Melting point  | 306 °C | Relative density    | 2,26 g/cm <sup>3</sup> at 20 °C |
| Boiling Point  | 380°C  | Solubility in water | 874 g/l at 20 °C - soluble      |

## Packaging

500 gram

## Specification

|                                                  |                                                            |
|--------------------------------------------------|------------------------------------------------------------|
| Appearance                                       | colorless deliquescent crystal or white crystalline powder |
| Assay (acidimetry, titration after ion exchange) | min 99.0 %                                                 |
| pH ( 5% Solution )                               | 5.5 – 8.3                                                  |
| Insoluble matter                                 | max 0.005 %                                                |
| Chloride (Cl)                                    | max 0.001 %                                                |
| Iodate (IO <sub>3</sub> )                        | max 0.0005 %                                               |
| Nitrite (NO <sub>2</sub> )                       | max 0.001 %                                                |
| Phosphate (PO <sub>4</sub> )                     | max 0.0005 %                                               |
| Sulphate (SO <sub>4</sub> )                      | max 0.003 %                                                |
| Heavy metals (as Pb)                             | max 0.0005 %                                               |
| Iron (Fe)                                        | max 0.0003 %                                               |
| Magnesium (Mg)                                   | max 0.002 %                                                |
| Calcium (Ca)                                     | max 0.005 %                                                |

## Safety Information and Hazard Symbols



Symbol: GHS03, GHS07

Signal Word: danger

UN No.: 1498

IMCO Class No.: 5.1

Packing Group: III

Hazardous Statement: H272-H319

Precaution Statement: P210-P220-P264-P280-P305+P351+P338-P337+P313