

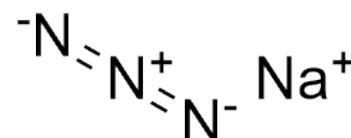
FT-081125



## Sodium Azide

### Product Information

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| <b>Chemical name :</b>    | Sodium Azide                                      |
| <b>Cat. Number :</b>      | 081125, 250 g<br>Bulk                             |
| <b>Structure :</b>        | $\text{NaN}_3$                                    |
| <b>Molecular Weight :</b> | 65.0099 g/mol                                     |
| <b>CAS:</b>               | 26628-22-8                                        |
| <b>Solubility:</b>        | Water                                             |
| <b>Storage :</b>          | Store at room temperature. Protect from moisture. |



Sodium Azide, is a popular preservative agent for buffers in biochemistry, purification, immunoassays, notably for stock and bulk solutions. It is highly soluble in water and acts by inhibiting cytochrome oxidase in gram-negative bacteria. However, gram-positive (streptococci, pneumococci, lactobacilli) are intrinsically resistant. Caution should be taken also because it is a toxic compound.

### Technical data

| Test                                                                 | Specification                                                 |
|----------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Appearance</b>                                                    | White Crystalline Powder<br>Without visible extraneous matter |
| <b>Moisture/LOD:</b>                                                 | <0.1%                                                         |
| Total alkalinity as NaOH:<br>(NaOH+Na <sub>2</sub> CO <sub>3</sub> ) | <0.1%                                                         |
| Water Insoluble's :                                                  | <500 ppm                                                      |
| Iron as Fe :                                                         | <10 ppm                                                       |
| Heavy Metals :                                                       | <20 ppm                                                       |
| Chlorides as NaCl :                                                  | Nil                                                           |
| Sulphates as BaSO <sub>4</sub> :                                     | Nil                                                           |
| Nitrates as NaNO <sub>3</sub> :                                      | Nil                                                           |
| pH (5% w/w soln.):                                                   | >9                                                            |
| Assay as NaN <sub>3</sub> :                                          | Min 99.50% w/w                                                |

FT-081125

**Related products :**

- Other antibiotic agents used as :
    - . Thimerosal #U5701J (powder) and LO8990 (1% solution). See [FT-LO8990](#)
    - . more preservative or antiseptic on inquire, incl.Chloramine, Chlorhexidine, Iodoform, neomycin... [].
- For any information, please contact Uptima