



Specification

| Concerning Product: | |
|--|---|
| Article number | 26970821ORI |
| Trade name / designation / denomination | Natriumselenit Pentahydrat, > 99% |
| CAS number | 26970-82-1 |
| Other names / synonyms | •Sodium selenite pentahydrate; |
| Molecular weight [g / mol] | 263.01 |
| Formula | Na ₂ SeO ₃ ·5H ₂ O |
| Danger 2630, 6.1, I | |
| Fatal if swallowed. May cause an allergic skin reaction. Toxic if inhaled. Toxic to aquatic life with long lasting effects. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: | |

| Parameter | Specification | Unit |
|-----------------------------|---|------|
| Organoleptic test | | |
| Appearance | Sodium selenite is the inorganic compound with the formula Na ₂ SeO ₃ . This salt is a colourless solid. The pentahydrate Na ₂ SeO ₃ ·5(H ₂ O) is the most common water-soluble selenium compound. | |
| Colour | white | |
| Physical parameter | | |
| Density | 3,1 | g/ml |
| Form | powder | |
| pH value | 9,8 – 10,8 | |
| Solubility | Insoluble in alcohol, ethanol | |
| Identity | | |
| Assay | ≥ 99 | % |
| Elemental Impurities | | |
| Chlorides (Cl) | ≤ 0,005 | % |

Supplemental information:

Regional origin: IND

Usage: Sodium selenite is used in the preparation of stock solutions of Se(IV) and in the biosynthesis of Se nanomaterials using *Pseudomonas alcaliphila*.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 12. Sep. 2019

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