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## Product Specification

Product Name:

Sodium chloride - ACS reagent, ≥99.0%

**Product Number:****S9888**

CAS Number:

7647-14-5

MDL:

MFCD00003477

Formula:

ClNa

Formula Weight:

58.44 g/mol

**NaCl**

| TEST                                       | Specification  |
|--|----------------|
| Appearance (Color)                         | White          |
| Appearance (Form)                          | Powder         |
| Meets ACS Requirements                     | -----          |
| Titration with AgNO <sub>3</sub>           | 99.0 - 101.5 % |
| Insoluble matter                           | ≤ 0.005 %      |
| pH   | 5.0 - 9.0      |
| 5 % solution at 25 deg C                   |                |
| Iodide                                     | ≤ 0.002 %      |
| Bromide                                    | ≤ 0.01 %       |
| Chlorate and Nitrate (as NO <sub>3</sub> ) | ≤ 0.003 %      |
| Phosphate                                  | ≤ 5 ppm        |
| Sulfate                                    | ≤ 0.004 %      |
| Barium                                     | Pass           |
| Calcium (Ca)                               | ≤ 0.002 %      |
| Magnesium (Mg)                             | ≤ 0.001 %      |
| Iron (Fe)                                  | ≤ 2 ppm        |
| Potassium (K)                              | ≤ 0.005 %      |
| Heavy Metals                               | ≤ 5 ppm        |
| by ICP-OES                                 |                |
| Recommended Retest Period                  | -----          |
| 6 years                                    |                |

Specification: PRD.1.ZQ5.10000033024

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.