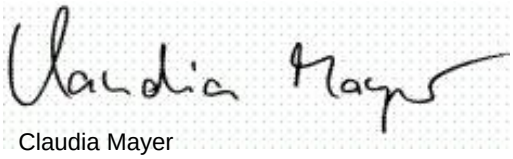
# Certificate of Analysis

| | |
|---|---|
| **Product Name:** | Sodium hydroxide puriss. p.a., ACS reagent, reag. Ph. Eur., K ≤0.02%, >= 98 %, pellets |
| **Product Number:** | 30620 |
| **Batch Number:** | STBK6493 |
| **CAS Number:** | 1310-73-2 |
| **Formula:** | NaOH |
| **Formula Weight:** | 40.00 |
| **Quality Release Date:** | 17 FEB 2022 |
| **Recommended Retest Date:** | FEB 2025 |

| TEST | SPECIFICATION | RESULT |
|---|---|---|
| **CONTENT OF CARBONATE (T)** | SODIUM CARBONATE (NA2CO3) ≤ 1.0 % | < 1.0 % |
| **ASSAY** | 98.0 - 100.5 % | 99.6 % |
| **APPEARANCE OF SOLUTION** | COMPLYING | COMPLYING |
| **HEAVY METALS** | ≤ 0.002 % (AS AG) | < 0.002 % |
| **Miscellaneous Assay** | SILICATE (AS SIO2) ≤ 0.001 % | < 0.001 % |
| **ALUMINIUM** | ≤ 0.0005 % | < 0.0005 % |
| **ARSENIC** | ≤ 0.0001 % | < 0.0001 % |
| **CALCIUM** | ≤ 0.0005 % | < 0.0005 % |
| **COPPER** | ≤ 0.0005 % | < 0.0005 % |
| **IRON** | ≤ 5 PPM | < 5 PPM |
| **MERCURY** | ≤ 0.05 PPM | < 0.05 PPM |
| **POTASSIUM** | ≤ 0.02 % | < 0.02 % |
| **MAGNESIUM** | ≤ 0.0005 % | < 0.0005 % |
| **NICKEL** | ≤ 0.0005 % | < 0.0005 % |
| **LEAD** | ≤ 0.0002 % | < 0.0002 % |
| **ZINC** | ≤ 0.0005 % | < 0.0005 % |
| **HEAVY METALS (PB) (ICP)** | ≤ 5 PPM | < 5 PPM |
| **CHLORIDE (CL)** | ≤ 10 PPM | < 10 PPM |
| **TOTAL NITROGEN** | ≤ 0.0003 % | < 0.0003 % |

The life science business of Merck KGaA, Darmstadt, Germany
operates as MilliporeSigma in the US and Canada.

| | | |
|---|---|---|
| **PHOSPHATE (PO4)** | ≤ 0.0005 % | < 0.0005 % |
| **SULFATE (SO4)** | ≤ 30 PPM | < 30 PPM |



Claudia Mayer
Manager Quality Control
Steinheim, Germany

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. 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.

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