

Certificate of Analysis

Product Name: Sodium hydroxide
puriss. p.a., ACS reagent, reag. Ph. Eur., ($K \leq 0.02\%$),
 $\geq 98\%$, pellets
Product Number: 30620
Batch Number: SZBE0910V ✓
Brand: Sigma-Aldrich
CAS Number: 1310-73-2
Formula: NaOH
Formula Weight: 40.00



TEST	SPECIFICATION	RESULT
Reag. ACS, Reag. Ph. Eur.		
assay	98.0-100.5	99.2 %
assay of Na_2CO_3	≤ 1.0	$< 1.0\%$
aluminium (Al)	≤ 0.0005	$< 0.0005\%$
arsenic (As)	≤ 0.0001	$< 0.0001\%$
calcium (Ca)	≤ 0.0005	$< 0.0005\%$
copper (Cu)	≤ 0.0005	$< 0.0005\%$
iron (Fe)	≤ 5	$< 5\text{ ppm}$
mercury (Hg)	≤ 0.05	$< 0.05\text{ ppm}$
potassium (K)	≤ 0.02	$< 0.02\%$
magnesium (Mg)	≤ 0.0005	$< 0.0005\%$
nickel (Ni)	≤ 0.0005	$< 0.0005\%$
lead (Pb)	≤ 0.0002	$< 0.0002\%$
zinc (Zn)	≤ 0.0005	$< 0.0005\%$
heavy metals (as Pb)	≤ 5	$< 5\text{ ppm}$
heavy metals (as Ag)	≤ 0.002	$< 0.002\%$
chloride (Cl)	≤ 5	$< 5\text{ ppm}$
phosphate (PO_4)	≤ 0.0005	$< 0.0005\%$
silicate (as SiO_2)	≤ 0.001	$< 0.001\%$
sulfate (SO_4)	≤ 30	$< 30\text{ ppm}$
total N	≤ 0.0003	$< 0.0003\%$
appearance of the solution	complying	complying

Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.

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Production Date 01.Apr.14
Rec. Retest Date 12.Sep.17
QC Release Date 14.Apr.14

Katja Vogler

Katja Vogler
Quality Management
Seelze, 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.