



Certificate of Analysis

Sodium Hydroxide ACS

Catalog Number: SH1001
Lot Number: 0507903
CAS Number: 1310-73-2
Synonym(s): Caustic soda
Molecular Formula: NaOH
Molecular Weight: 40.00
Storage: 15°C – 30°C
Date of Manufacture: March 13, 2019
Retest Date: March 12, 2024

Test	Specification	Result
Appearance	White pellets	Conforms
Assay	≥ 97.0%	99.95%
Identification	Gives the reaction of Sodium Gives a pH minimum of 11.0	Conforms Conforms
Sodium Carbonate	≤ 1.0%	< 1.0%
Chloride	≤ 0.005%	< 0.005%
Nitrogen Compounds	≤ 0.001%	< 0.001%
Phosphate	≤ 0.001%	< 0.001%
Sulfate	≤ 0.003%	< 0.003%
Insoluble Substances & Organic Matter	To pass test	Conforms
Heavy Metals (As Ag)	≤ 0.002%	< 0.002%
Arsenic	≤ 3mg/kg	< 3mg/kg
Iron	≤ 0.001%	< 0.001%
Lead	≤ 2mg/kg	< 2mg/kg
Mercury	≤ 0.1ppm	< 0.1ppm
Nickel	≤ 0.001%	< 0.001%
Calcium	≤ 0.005%	< 0.005%
Magnesium	≤ 0.002%	< 0.002%
Potassium	≤ 0.02%	< 0.02%
Potassium	No ppt is formed	Conforms

Approved by:

Date: May 10, 2019

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