

Certificate of Analysis

Product: Sodium Hydroxide, Pellets
Item Number: SOHYDPM
Grade: Multi Compendial (ACS, USP, FCC)
Lot Number: 1001E3298B07-12
Manufacture Date: 04/28/2022
Expiration Date: 04/27/2026
Country of Origin: India

| Tested Property | Specification | Analysis |
|---|---|----------|
| Assay (as NaOH) | 97.0%- 100.5% | 98.89% |
| Description | White solid | Pass |
| Identification | To Pass Test | Pass |
| Test Solution 10% | To Pass Test | Pass |
| Solubility | Soluble in 1 to parts of water & in alcohol | Pass |
| Insoluble substance & organic matter | To Pass Test | Pass |
| Carbonate (as Na ₂ CO ₃) | <1.0% | 0.44% |
| Chloride (Cl) | <0.005 %. | 0.002% |
| Arsenic | <3.0 ppm. | 0.15ppm |
| Lead | <2.0 ppm | 0.22ppm |
| Nitrogen compounds | <0.001% | 0.0002% |
| Phosphate (PO ₄) | <0.001% | 0.0003% |
| Sulphate (SO ₄) | <0.003% | 0.0002% |
| Heavy metals (as Ag) | <0.002% | 0.0002% |
| Iron (Fe) | <0.001% | 0.0003% |
| Nickel (Ni) | <0.001% | 0.0006% |
| Mercury (Hg) | <0.1 ppm | 0.02 ppm |
| Calcium (Ca) | <0.005% | 0.0004% |
| Magnesium (Mg) | <0.002% | 0.0002% |
| Potassium (K) | <0.02% | 0.004% |

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