



## Specification

| Concerning Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Article number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1310732WL                                                      |
| Trade name / designation / denomination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Natriumhydroxid Perlen, Lebensmittel<br>Sodium Hydroxide, food |
| CAS number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1310-73-2                                                      |
| Other names / synonyms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Natriumhydroxid sodium hydroxide<br>Natriumhydroxid            |
| EC number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 215-185-5                                                      |
| EC index number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 011-002-00-6                                                   |
| Customs tariff number / CN code / TARIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 28151200                                                       |
| Molecular weight [g / mol]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40,00                                                          |
| Formula                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NaOH<br>HNaO                                                   |
| <b>Danger</b>  1823, 8 (Ätzende Stoffe),<br>May be corrosive to metals. Causes severe skin burns and eye damage.<br>Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: IF IN EYES: IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. |                                                                |

| Parameter                 | Specification         | Unit |
|---------------------------|-----------------------|------|
| <b>Organoleptic test</b>  |                       |      |
| Colour                    | white                 |      |
| <b>Physical parameter</b> |                       |      |
| Form                      | pearls                |      |
| <b>Identity</b>           |                       |      |
| Assay                     | ≥ 99.0                | %    |
| <b>Impurities</b>         |                       |      |
| Impurity                  | Silicon Dioxide: ≤ 20 | %    |
| Impurity                  | Sodium Sulfate: ≤ 120 | ppm  |
| Impurity                  | Sodium Chlorate: ≤ 60 | ppm  |

|                             |                              |     |
|-----------------------------|------------------------------|-----|
| Impurity                    | Sodium Chloride: $\leq 200$  | ppm |
| Impurity                    | Sodium Carbonate: $\leq 0.4$ | %   |
| <b>Elemental Impurities</b> |                              |     |
| Aluminium (Al)              | $\leq 1$                     | ppm |
| Arsenic (As)                | $\leq 0.6$                   | ppm |
| Calcium (Ca)                | $\leq 10$                    | ppm |
| Cadmium (Cd)                | $\leq 0.2$                   | ppm |
| Chromium (Cr)               | $\leq 2$                     | ppm |
| Copper (Cu)                 | $\leq 0.2$                   | ppm |
| Iron (Fe)                   | $\leq 10$                    | ppm |
| Mercury (Hg)                | $\leq 0.01$                  | ppm |
| Magnesium (Mg)              | $\leq 6.0$                   | ppm |
| Manganese (Mn)              | $\leq 0.2$                   | ppm |
| Lead (Pb)                   | $\leq 0.5$                   | ppm |
| Zinc (Zn)                   | $\leq 0.1$                   | ppm |

**Supplemental information:**

**Released by manufacturer:**  
2014-08-08

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 05. Sep. 2018

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