

1.3 Identifiers

1.4 Analytical information

Analytical information

- Analytical methods and spectral data**
- Total alkalimetry
 - ICP
 - ICP-OES
 - Titrimetry
 - Ion chromatography

Optical activity

The substance is not optically active.

Results of analysis



Analysis type	Total alkalimetry
Tested substance	sodium hydroxide
Method used	ISO 979:194 or ASTM E291-04
Remarks	With total alkalimetry the hydroxide content of the substance can be determined.
Analysis type	ICP for analysis of sodium content
Tested substance	sodium hydroxide
Remarks	With ICP the sodium content of the substance can be determined.
Analysis type	ICP-OES
Tested substance	sodium hydroxide
Method used	ISO 11885:2007
Remarks	With ICP-OES the cationic impurities (e.g. potassium, arsenic, cadmium) contents in the substance can be determined. These impurities can be present at low concentrations (normally ppm level).
Analysis type	Titrimetry
Tested substance	sodium hydroxide
Method used	ISO 3196:1975
Remarks	With titrimetry the sodium carbonate content in the substance can be determined.
Analysis type	Ion chromatography
Tested substance	sodium hydroxide
Method used	E1787-02
Remarks	With ion chromatography the sulphate, chloride and chlorate contents in the substance can be determined.
Analysis type	ICP-AAS for analysis of mercury content
Tested substance	sodium hydroxide
Method used	ISO 5993:1979
Remarks	With ICP-AAS the mercury content in the substance can be determined.
Analysis type	High Pressure Liquid Chromatography
Tested substance	sodium hydroxide
Remarks	High-pressure liquid chromatography is not relevant to identify or analyse an inorganic substance like sodium hydroxide.
Analysis type	Gas Chromatography
Tested substance	sodium hydroxide
Remarks	Gas chromatography is not relevant to identify or analyse an inorganic substance like sodium hydroxide.

Analysis type	UV/Vis
Tested substance	sodium hydroxide
Remarks	UV/Vis is not relevant to identify or analyse an inorganic substance like sodium hydroxide.
Analysis type	IR
Tested substance	sodium hydroxide
Remarks	IR is not relevant to identify or analyse an inorganic substance like sodium hydroxide.
Analysis type	NMR
Tested substance	sodium hydroxide
Remarks	NMR is not relevant to identify or analyse an inorganic substance like sodium hydroxide.
Analysis type	Mass spectroscopy
Tested substance	sodium hydroxide
Remarks	Mass spectroscopy is not relevant to identify or analyse an inorganic substance like sodium hydroxide.

1.5 Joint submission

1.6 Sponsors

1.7 Suppliers

1.8 Recipients

2 Classification and Labelling

2.1 GHS

2.2 DSD - DPD

3 Manufacture, use and exposure

3.1 Technological process

3.2 Estimated quantities

3.3 Sites

3.4 Form in the supply chain

3.5 Identified uses

3.6 Uses advised against

3.7 Waste from production and use

3.8 Exposure estimates

3.9 Biocidal information