

SODIUM HYDROXIDE

1. Basic Information

Product Name	Sodium Hydroxide – Liquor 47%
Structural Formula	$\text{Na}^+ \text{OH}^-$
Molecular Formula	NaOH
CAS No.	1310-73-2
EC No.	215-185-5

2. Specifications

Items	Units	Specification	
		Min.	Max.
Appearance	Clear to slightly hazy colourless liquid		
Assay	% w/w NaOH	46.0 to 48.0	47
Sodium Carbonate	Na ₂ CO ₃ %	<0.1	0.05
Sodium Chloride	NaCl mg/kg	<100	<60
Sodium Sulphate	Na ₂ SO ₄ mg/kg	<100	<20
Sodium Chlorate	NaClO ₃ mg/kg	<60	<20
Iron	Fe mg/kg	<5	1
Heavy Metals as Lead including all those listed below	Mg/kg	<10	<3
Mercury	Hg mg/kg	<0.05	0.005
Nickel	Ni mg/kg	<1	0.3
Cadmium	Cd mg/kg	<0.5	0.005
Arsenic	As mg/kg	<1	<0.1
Chromium	Cr mg/kg	<0.5	0.2
Lead	Pb mg/kg	<0.25	<0.1
Antimony	Sb mg/kg	<2.4	<0.1
Selenium	Se mg/kg	<2.4	<0.1

3. Additional Information

Caustic Soda Liquor meets British Standard BS 4130:1984 type 1.

This product meets the requirements of BS EN 896:2012 for the treatment of water intended for human consumption and the purity requirements of E 524, sodium hydroxide as a food additive, as described in the Official Journal of the European Union. Methods of Analysis are given in BS6075 Parts 1-14, 1981.