

## Technical Data Sheet

### Caustic Soda flake: product specification

Chemical Name	Sodium Hydroxide
Chemical Formula	NaOH
Form	Deliquescent solid
Color	white
Boiling Point (°C)	1390
Melting Point (°C)	318
Solubility (water)	soluble with evolution of heat alcohols, glycerol
Specific Gravity	2.3 (Water = 1 at °C)
(Bulk Density (g/m	1.175

Row	Physical and Chemical Properties	ISIRI Compliant Range	CCPC Product Range	Standard Reference
1	Purity of Sodium Hydroxide (NaOH) _ % W/W	Min 98	Min 98	ISIRI 364
2	Carbonate as Na <sub>2</sub> CO <sub>3</sub> _ % W/W	Max 1	Max 0.5	ISIRI 364
3	Chloride as NaCl _ % W/W	Max 0.06	Max 0.02	ISIRI 364
4	Sulfate as Na <sub>2</sub> SO <sub>4</sub> _ % W/W	Max 0.01	Max 0.005	ISIRI 364
5	Silicate as SiO <sub>2</sub> _ % W/W	Max 0.02	Max 0.005	ISIRI 364
6	Iron as Fe _ mg/Kg	Max 30	Max 15	ISIRI 364
7	Insoluble in Water _ % W/W	Max 0.1	0	ISIRI 364
8	Aluminum as Al <sub>2</sub> O <sub>3</sub> _ mg/Kg	Max 20	Max 20	ISIRI 364
9	Heavy Metals as Pb _ mg/Kg	Max 20	Max 20	ISIRI 364
10	Mercury as Hg _ mg/Kg	Max 0.2	Max 0.15	ISIRI 364
11	Arsenic as As _ mg/Kg	Max 2	Max 0.5	ISIRI 364
12	Appearance	White Color, Free of Visible Impurities	OK	ISIRI 364