

Technical Data Sheet

NaClO

Industrial Sodium Hypochlorite

Sodium hypochlorite is a chemical compound with the formula NaClO. It is composed of a sodium cation (Na⁺) and a hypochlorite anion (ClO⁻); it may also be viewed as the sodium salt of hypochlorous acid. Sodium hypochlorite is practically and chemically distinct from chlorine.

Application:

- Bleaching
- Textile industry
- Water and waste water treatment

Physical & chemical properties	ISIRI compliant range	Cproduct range	Standard reference
Active chlorine - %w/v	Min 12.5	15 – 16	ISIRI 2361
Free Alkaline as NaOH - %w/w	Min 0.5	Min 0.5	ISIRI 2361
Density at 20 °C – g/cm ³	Min 1.20	Min 1.20	ISIRI 2361
Sodium Chlorate - %w/w	Max 0.7	Max 0.25	ISIRI 2361
Fe - µg/g	Max 3	Max 1	ISIRI 2361
Free Sodium Carbonate as Na ₂ CO ₃ - %w/v	Max 1	Max 0.6	ISIRI 2361
Co - µg/g	Max 0.5	Nill	ISIRI 2361
Cu - µg/g	Max 0.5	Nill	ISIRI 2361
Ni - µg/g	Max 0.5	Nill	ISIRI 2361
Hg - µg/g	Max 0.1	Max 0.1	ISIRI 2361
Appearance	Yellow, clear, free of sediment and suspended particles	Ok	ISIRI 2361