

Technical Data Sheet

NaClO

WATER DISINFECTION 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	product range	Standard reference
Active chlorine - %w/v	12-18	15 – 16	ISIRI 8394
Sodium Chlorate - %w/w	Max 5.4	Max 1.6	ISIRI 8394
Density at 20 °C – g/cm ³	1.13-1.3	Min 1.2	ISIRI 8394
Free Alkaline as NaOH - %w/w	Max 1.2	Max 1.2	ISIRI 8394
Sodium Bromat – g/kg of Active Cl ₂	Max 2.5	Max 2.5	ISIRI 8394
Ni – mg/kg of Active Chlorine	Max 2.5	Nill	ISIRI 8394
Hg – mg/kg of Active Chlorine	Max 3.5	Max 0.5	ISIRI 8394
As – mg/kg of Active Chlorine	Max 1	Max 0.5	ISIRI 8394
Cd – mg/kg of Active Chlorin	Max 2.5	Nill	ISIRI 8394
Cr – mg/kg of Active Chlorine	Max 2.5	Nill	ISIRI 8394
Pb – mg/kg of Active Chlorine	Max 15	Nill	ISIRI 8394
Sb – mg/kg of Active Chlorine	Max 20	Max 1	ISIRI 8394
Se – mg/kg of Active Chlorine	Max 20	Max 1	ISIRI 8394
Appearance	Yellow, clear, free of sediment and suspended particles	Ok	ISIRI 8394