



No. :



Date :

Specification of Caustic Soda Flake (NaOH 98.5%)

R	Test Name	complex Spec	Accepting Limit	Unit	Test Method	Equivalent standard
1	Purity of Sodium Hydroxide (NaOH)	98.5	Min 98	% W	ISIRI-364 clause1-7/ISIRI 6135	JIS K 1200-1968
2	Carbonate as Na ₂ CO ₃	<0.4	Max 1	% W	ISIRI-364 clause2-7/ISIRI 6135	JIS K 1200-1968
3	Chloride as NaCl	<0.008	Max 0.06	% W	ISIRI-364 clause3-7/ISIRI 2535	ASTM E291-1996
4	Sulfate as Na ₂ SO ₄	<0.004	Max0.01	% W	ISIRI-364 clause4-7/ISIRI 2535	ISO 6353-1-1982 ISO 6353-2-1983 IS 252-1973 ISO 2762-1973
5	Silicate as SiO ₂	<0.009	Max0.02	% W	ISIRI-364 clause5-7/ISIRI 2535	ISO 6353-1-1982 ISO 6353-2-1983
6	Fe	<10	Max 30	ppm	ISIRI-364 clause6-7/ISIRI 2537	ASTM E291-1996
7	Insoluble in water	<0.001	Max 0.1	% W	ISIRI-364 clause7-7/ISIRI 2535	BS 6075 Part 14-1981
8	Aluminum as Al ₂ O ₃	<3	Max 20	ppm	ISIRI-364 clause8-7/ISIRI 2537	ISO 6353-1-1982 ISO 6353-2-1983 IS 376-1986
9	Heavy metals as Pb	<2	Max 20	ppm	ISIRI-364 clause9-7/ISIRI 2537	ISO 6353-1-1982 ISO 6353-2-1983 IS 9831 : 1994
10	Mercury	<0.1	Max 0.2	ppm	ISIRI-364 clause10-7/ISIRI 2537	
11	Arsenic as As ₂ O ₃	<1	Max 2	ppm	ISIRI-364 clause11-7/ISIRI 2537	
12	Appearance	OK	White flakes, Opaque Crystals, Free of impurities	-	ISIRI-364 clause1-5	

P E T R O A R S E S C o .

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