



Caustic Soda Flakes Analysis

Customer Name:	To whom it may concern		Sample Receiving Date: 2020.12.30
Sample Name:	Sample Commercial Name: Industrial Sodium Hydroxide Flakes	Test Resource: ISIRI 364	Test Date: 2021.01.01
Sample Code:	Type of Standard		Sampling Date: 2020.12.28

Row	Item	Unit	Degree Importance	Accepting limit	Test result	Test Method
1	Purity of Sodium Hydroxide	%W	Important	Min 98.5	99%±0.5%	ISIRI- 364 Clause 1 -7 / ISIRI 6135
2	Carbonate (Na ₂ CO ₃)	%W	Important	Max 1	0.5	ISIRI- 364 Clause 2 -7 / ISIRI 6135
3	Chloride (NaCl)	%W	Important	Max 0.06	0.03	ISIRI- 364 Clause 3 -7 / ISIRI 2535
4	Sulfate (Na ₂ SO ₄)	%W	Important	Max 0.01	0.005	ISIRI- 364 Clause 4 -7 / ISIRI 2535
5	Silicate (SiO ₂)	%W	Important	Max 0.02	0.007	ISIRI- 364 Clause 5 -7 / ISIRI 2535
6	Fe	ppm	Important	Max 30	6-9	ISIRI- 364 Clause 6 -7 / ISIRI 2537
7	Insoluble in Water	%W	Important	Max 0.1	<0.001	ISIRI- 364 Clause 7 -7 / ISIRI 2537
8	Aluminum (Al ₂ O ₃)	ppm	Important	Max 20	2-5	ISIRI- 364 Clause 8 -7 / ISIRI 2537
9	Heavy Metals (Pb)	ppm	Important	Max 20	N.D	ISIRI- 364 Clause 9 -7 / ISIRI 2537
10	Mercury	ppm	Important	Max 0.2	N.D	ISIRI- 364 Clause 10 -7 / ISIRI 2537
11	Arsenic (As ₂ O ₃)	ppm	Important	Max 2	N.D	ISIRI- 364 Clause 11 -7 / ISIRI 2537
12	Appearance	-	Important	White flakes, Free of impurities	OK	ISIRI- 364 Clause 1-5

Explanation & Interpretation:

This Sample is Compatible is not Compatible with all the articles of standard No: ISIR364 ...

Lab Tech Mgr. Name & Signature	Lab QC Mgr. Name & Signature	Confirmed by: Name & Signature	Lab Stamp
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