



15185 Main Street
Lemont, IL 60439
630-257-3900

PRODUCT SPECIFICATION SHEET

Sodium Hydroxide Solution - MERCURY CELL GRADE

Date: November 28, 2011

Rev#: 8

Chemical Formula: NaOH

Formula Weight: 40.00

<u>PARAMETER</u>		<u>SHIPPING SPEC.</u>	<u>TYPICAL ANALYSIS</u>
SODIUM HYDROXIDE	(NaOH)	49.5 - 51.0%	50.30%
SODIUM OXIDE	(Na ₂ O)	38.35 - 39.55%	38.98%
SODIUM CARBONATE	(Na ₂ CO ₃)	0.05% max.	0.02%
SODIUM CHLORIDE	(NaCl)	25 ppm max.	12 ppm
SODIUM SULFATE	(Na ₂ SO ₄)	15 ppm max.	5 ppm
SODIUM CHLORATE	(NaClO ₃)	2.5 ppm max.	0.50 ppm
ALUMINUM	(Al)	2.5 ppm max.	<1.5 ppm
SILICON	(Si)	15 ppm max.	10 ppm
CALCIUM	(Ca)	2.5 ppm max.	0.50 ppm
MAGNESIUM	(Mg)	1.5 ppm max.	1 ppm
IRON	(Fe)	2.5 ppm max.	0.50 ppm
NICKEL	(Ni)	0.3 ppm max.	0.25 ppm
COPPER	(Cu)	0.1 ppm max.	< 0.05 ppm
MANGANESE	(Mn)	0.25 ppm max.	< 0.15 ppm
ARSENIC	(As)	1.5 ppm max.	< 0.05 ppm
HEAVY METALS As	(Pb)	10 ppm max.	< 0.05 ppm
LEAD	(Pb)	5 ppm max.	< 5 ppm
MERCURY	(Hg)	0.50 ppm max.	< 0.025 ppm

Values are on a solution basis.

This material meets the monograph test requirements of the Food Chemicals Codex most current edition. Use of caustic in a food or food related application must be carefully assessed against appropriate regulations by the user. It cannot be assumed that products meeting the test requirements of FCC are satisfactory for all uses without such an assessment.