



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

PRODUCT SPECIFICATION SHEET

Sodium Hydroxide Solution - MERCURY CELL GRADE

Date: Sept. 12, 2002

Rev#: 5

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)	38.50 - 39.5%	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

This material meets the test requirements of food chemicals codex. Values are on a solution basis.