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## PRODUCT SPECIFICATION SHEET

### Sodium Hydroxide Solution – DIAPHRAGM CELL GRADE 50%

Date: November 28, 2011

Rev#: 13

Chemical Formula: NaOH      Formula Weight: 40.00

<u>PARAMETER</u>		<u>SHIPPING SPEC.</u>	<u>TYPICAL ANALYSIS</u>
SODIUM HYDROXIDE	(NaOH)	49.0% - 52.0%	50.23%
SODIUM OXIDE	(Na <sub>2</sub> O)	38.0% - 40.4%	39.00%
SODIUM CARBONATE	(Na <sub>2</sub> CO <sub>3</sub> )	0.20 % max.	0.18 %
SODIUM SULFATE	(Na <sub>2</sub> SO <sub>4</sub> )	1,000 ppm max.	150 ppm
SODIUM CHLORIDE	(NaCl)	1.3 % max.	1.0 %
IRON	(Fe)	9.0 ppm max	2.5 ppm
MERCURY	(Hg)	0.05 ppm max.	<0.05 ppm
LEAD	(Pb)	1.0 ppm max	<1.0 ppm
ARSENIC	(As)	1.5 ppm max.	<1.0 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.