



**ChemPure* Brand
Chemicals**

November 24, 2015

Certificate of Analysis

...Pure Quality

Product Name: **SODIUM HYDROXIDE SOLUTION, 50% MEMBRANE GRADE**

Product Number: CP-X2388

Formula: NaOH

CAS Number: 1310-73-2

MDL: MFCD00003548

Lot Number: 309276

Formula Weight: 39.997 G/MOL

Manufactured Date: November 20, 2015

LIQUID CAUSTIC SODA, 50%

ANALYTICAL RESULTS

| ANALYSIS | RESULT | UNIT | SPEC LIMITS | METHOD |
|-----------------------------------------------------|------------|------|-------------|------------|
| SODIUM HYDROXIDE (NaOH) | 50.13 | Wt % | 49.0 - 51.0 | ASTM E291 |
| SODIUM OXIDE (Na ₂ O) | 38.88 | Wt % | 38.0 - 39.5 | ASTM E291 |
| SODIUM CHLORIDE {NaCl} | 40 | PPM | 100 Max | ASTM E1787 |
| SODIUM CARBONATE (Na ₂ CO ₃) | 0.07 | Wt % | 0.10Max | ITM-4201 |
| SODIUM CHLORATE (NaClO ₃) | 8 | PPM | 65 Max | ASTM E1787 |
| SODIUM SULFATE (Na ₂ SO ₄) | 11 | PPM | 100 Max | ASTM E1787 |
| IRON (Fe) | 1.7 | PPM | 3.0 Max | ASTM E291 |
| APPEARANCE | Clear/Free | | | ASTM D4176 |
| COLOR (DESCRIPTION) | Clear | | | ASTM D4176 |
| SPECIFIC GRAVITY (@ 60 °F) | 1.532 | | | ASTM 04052 |

ANALYSIS PERFORMED BY INTERTEK

NOTE: This product meets all provisions of Food Chemicals Codex, Latest Edition (FCC) Certified to NSF/ANSI Standard 60, MUL 100mg/L

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose.

It is certified that the above copy is a true copy of the actual lot analysis.

Vyto Mekesa
QC Manager