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Certificate of Analysis

PRODUCT: SODIUM HYDROXIDE, pellets, UNIVAR
CATALOGUE NO: 482
BATCH NO: 1702100417
RELEASE DATE: Feb-17
RETEST DATE: Feb-22

| <u>PROPERTIES</u> | <u>SPECIFICATION</u> | <u>RESULT</u> |
|---------------------------------|--------------------------|---------------|
| Assay | 97.0% w/w minimum | 98.5% |
| Na ₂ CO ₃ | 1.0% maximum | < 1.0% |
| Cl | 0.005% maximum | < 0.005% |
| N cpds (as N) | 0.001% maximum | < 0.001% |
| PO ₄ | 0.001% maximum | < 0.001% |
| SO ₄ | 0.003% maximum | < 0.003% |
| Al | 0.00005% maximum | < 0.00005% |
| Cu | 0.0005% maximum | < 0.0005% |
| Fe | 0.0005% maximum | < 0.0005% |
| Ni | 0.0005% maximum | < 0.0005% |
| Pb | 0.0005% maximum | < 0.0005% |
| Hg | 0.00001% maximum | < 0.00001% |
| Ca,H.M.(as Ag) | 0.002% maximum | < 0.002% |
| K | 0.02% maximum | < 0.02% |
| Silicate | 0.003% maximum | < 0.003% |
| <u>Identity</u> | | |
| Sodium | To pass BP2008 ID Test B | Pass |
| Hydroxide | To pass BP2008 ID Test A | Pass |

Conforms to ACS Specifications

20 February, 2017

Chris Elliott
Laboratory Manager