

EM SCIENCE

CERTIFICATE OF ANALYSIS

NAME: Ethyl Alcohol, Anhydrous, Denatured

ITEM NUMBER: EX0285

LOT NUMBER: 38314

FORMULA: CH₃CH₂OH

FORMULA WT: 46.07

Data Order No: 00026283

| PROPERTY | LIMITS | | RESULTS | UNITS |
|-----------------------------|--------|--------|---------|-------|
| | Min. | Max. | | |
| Acidity (as acetic acid) | | 0.005 | <0.001 | % |
| Assay (Ethanol) | 94.0 | 96.0 | 94.30 | % |
| Assay (Ethyl acetate) | 1 | 2 | 1.9 | % |
| Assay (Methanol) | 3 | 5 | 3.8 | % |
| Color (APHA) | | 20 | <10 | |
| Nonvolatile residue | | 0.0025 | <0.0002 | % |
| Specific Gravity at 20/20°C | 0.789 | 0.793 | 0.7910 | |
| Water (H ₂ O) | | 0.5 | 0.0230 | % |

Charles M. Wilson,
Quality Assurance Manager
Analysis Date: 11/12/98

