

## SALES SPECIFICATIONS

Sales Specification No : 21-13

Effective Date : 11/22/2004

Page No. 1 of 1



### PRODUCT NAME

Eastman(TM) Glacial Acetic Acid

### SPECIFICATIONS

| PROPERTY                     | LIMITS   | TEST METHOD          |
|------------------------------|--|----------------------|
| Reducing Substances          | 0.1 mL of 0.1 N KMnO <sub>4</sub> per 2 mL sample to hold pink color for 2 hours | TCMD-A-AN-G-VCC-101* |
| Appearance                   | Clear and Free of Suspended Matter   | TCMD-A-AN-G-MIS-20*  |
| Non-volatile Matter, g/100mL | 0.005 MAX  | TCMD-A-AN-G-GA-6*    |
| Formic Acid, %               | 0.050 MAX  | TCMD-A-AN-G-IC-26*   |
| Water, %                     | 0.1500 MAX   | TCMD-A-AN-G-VA-336*  |
| Heavy Metals as Pb, ppm      | 0.5 MAX  | TCMD-A-AN-G-VCC-67*  |
| Iron (as Fe), ppm            | 0.5 MAX  | TCMD-A-AN-G-VCC-68*  |
| Chlorides, ppm               | 1 MAX  | TCMD-A-AN-G-TBA-62*  |
| Sulfates, ppm                | 1 MAX  | TCMD-A-AN-G-TBA-7*   |
| Acetaldehyde, ppm            | 5 MAX  | TCMD-A-AN-G-GC-295*  |
| Color, pcs                   | 5 MAX  | TCMD-A-AN-G-VCC-11*  |
| Freezing Point, °C           | 16.35 MIN  | TCMD-A-AN-G-MP-2502* |
| Acetic Acid, %               | 99.85 MIN  | TCMD-A-AN-G-MP-2502* |
| Specific Gravity @ 20/20°C   | 1.048 - 1.053  | TCMD-A-AN-G-DEN-2*   |

\*or equivalent method

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Sales Specification available on Eastman.com

For reasons of safety and accuracy, the person performing this procedure must be thoroughly trained and under the supervision of a professional person who is knowledgeable in the relevant science. Equipment and materials described should be used in accordance with safety precautions recommended by their manufacturers. Limits in this specification are applicable only to data obtained by the referenced test method.

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