

## PRODUCT IDENTITY

|                 |                                       |                |                                   |
|-----------------|---------------------------------------|----------------|-----------------------------------|
| PRODUCT NAME    | Acetic acid (glacial) 100%            | PRODUCT NUMBER | A433223                           |
| Grades & Purity | Moligand™, Suitable for Analysis, ACS | VERSION        | 3                                 |
| CAS NUMBER      | 64-19-7                               | FORMULA        | CH <sub>3</sub> CO <sub>2</sub> H |
| FORMULA WEIGHT  | 60.05g/mol                            |                |                                   |

## ACCEPTANCE CRITERIA

| PARAMETER                               | SPECIFICATION / LIMIT  |
|-----------------------------------------|------------------------|
| Purity(GC)                              | 99.7-100 (%)           |
| Appearance(A433223)                     | Colorless clear liquid |
| Color test (APHA)                       | 0-10                   |
| Dilution Test                           | Pass                   |
| Acetic Anhydride                        | 0-0.01 (%)             |
| Evaporation Residue                     | 0-0.001 (%)            |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-1 (ppm)              |
| Iron(Fe)                                | 0-0.2 (ppm)            |
| Chloride(Cl)                            | 0-1 (ppm)              |
| Heavy metals                            | 0-0.5 (ppm)            |

| PARAMETER                        | SPECIFICATION / LIMIT |
|----------------------------------|-----------------------|
| Substances reducing dichromate   | Passes test           |
| Substances reducing permanganate | Passes test           |
| Titration Base                   | 0-0.0004 (meq/g)      |
| Infrared spectrum                | conforms to structure |