

## PRODUCT IDENTITY

|                 |                                                   |                |                                |
|-----------------|---------------------------------------------------|----------------|--------------------------------|
| PRODUCT NAME    | Formate (FA)                                      | PRODUCT NUMBER | F298778                        |
| Grades & Purity | UltraPureChrom™, for ULC-MS, 0.1% in Acetonitrile | VERSION        | 3                              |
| CAS NUMBER      | 64-18-6                                           | FORMULA        | CH <sub>2</sub> O <sub>2</sub> |
| FORMULA WEIGHT  | 46.03g/mol                                        |                |                                |

## ACCEPTANCE CRITERIA

| PARAMETER           | SPECIFICATION / LIMIT |
|---------------------|-----------------------|
| Silver (Ag)         | 0-10 (ppb)            |
| Copper(Cu)          | 0-10 (ppb)            |
| Aluminum(Al)        | 0-50 (ppb)            |
| Manganese(Mn)       | 0-10 (ppb)            |
| Calcium (Ca)        | 0-50 (ppb)            |
| Evaporation Residue | 0-1 (ppm)             |
| Iron(Fe)            | 0-25 (ppb)            |
| Magnesium (Mg)      | 0-30 (ppb)            |
| Nickel(Ni)          | 0-10 (ppb)            |
| Potassium(K)        | 0-50 (ppb)            |

| PARAMETER                              | SPECIFICATION / LIMIT          |
|----------------------------------------|--------------------------------|
| LC GRADIENT TEST WITH PDA (200-400 NM) | 0-2 (mAU)                      |
| Color scale                            | 0-10 (APHA)                    |
| Lead(Pb)                               | 0-10 (ppb)                     |
| Optical ABS at 210nm                   | 0-1.25                         |
| Sodium(Na)                             | 0-50 (ppb)                     |
| Optical ABS at 254nm                   | 0-0.03                         |
| Optical ABS at 210nm                   | 0-1.25                         |
| Assay (V/V) FORMIC ACID                | 0.095-0.105 (%)                |
| Zinc(Zn)                               | 0-20 (ppb)                     |
| Optical ABS at 210nm                   | 0-1.25                         |
| Water                                  | 0-0.01 (%)                     |
| LCMS Suit in Pos Mode (AS RESERPINE)   | 0-50 (ppb)                     |
| Appearance (F298778)                   | Clear, colorless fuming liquid |
| Identification                         | pass                           |
| Solvent(Acetonitrile)                  | Conform                        |