

**A0023FT Gold Line****Typical analysis**

|                          |          |
|--------------------------|----------|
| Assay                    | 99%      |
| Copper (Cu)              | 0.0005%  |
| Iron (Fe)                | 0.0005%  |
| Lead (Pb)                | 0.0005%  |
| Residue on evaporation   | 0.01%    |
| Water (H <sub>2</sub> O) | max 0.2% |

**Packaging**

500ml amber glass bottle  
2.5l amber glass bottle  
25l metal drum

**A0024FT Platinum Line****Warranty Certificate**

|                                   |           |
|-----------------------------------|-----------|
| Assay (GC)                        | min 99.5% |
| Acidity (in CH <sub>3</sub> COOH) | 0.01%     |
| Alkalinity (NH <sub>3</sub> )     | 0.1%      |
| Copper (Cu)                       | 0.00002%  |
| Iron (Fe)                         | 0.00025%  |
| Lead (Pb)                         | 0.00002%  |
| Residue on evaporation            | 0.003%    |
| Water (H <sub>2</sub> O)          | max 0.1%  |

**Packaging**

500ml amber glass bottle  
2.5l amber glass bottle  
25l metal drum

**A0027FT HPLC Line****Warranty Certificate**

|   |           |
|---|-----------|
| Assay (GC)                                    | min 99.8% |
| Acidity (in CH <sub>3</sub> COOH)             | 0.002%    |
| Non-volatile residues                         | 0.0005%   |
| Water (H <sub>2</sub> O)[Karl Fisher]         | 0.03%     |
| UV Transmission                               |           |
| Quartz cuvette: 1cm - control standard: water |           |
| 82 - 90 - 94 - 96 - 98 (Transmission %)       |           |
| 197 - 200 - 210 - 220 - 230 (Wavelength nm)   |           |

**Packaging**

2.5l amber glass bottle

**Physical properties, composition and data**

|                    |  |
|--------------------|--|
| Chemical formula   | CH <sub>3</sub> CN or C <sub>2</sub> H <sub>3</sub> N  |
| Synonym            | Ethanenitrile; Cyanomethane; Methyl cyanide  |
| Chemical group     | Nitriles   |
| Atomic weight      | 41.05  |
| Weight per litre   | 0.78kg   |
| Appearance         | Clear liquid   |
| Odour              | Ether-like odour   |
| Miscibility        | Water, methanol, methyl/ethyl acetate, acetone, ether, acetamide solutions, chloroform, carbon tetrachloride and ethylene chloride |
| Melting point      | -41°C  |
| Boiling point      | 81 - 82°C  |
| Flash point        | 12.8°C   |
| Ignition point     | 525°C  |
| Density (g/ml)     | 0.782 - 0.783  |
| Hazardous material | Flammable and toxic  |
| Other information  | Burns with a luminous flame  |

**Laboratory preparation, applications and practices**

|                        |  |
|------------------------|--|
| Laboratory preparation | Dehydration of acetamide or from acetylene and ammonia |
| Usage                  | Analytical reagent                                     |
| Filter paper           | Filtech no: 0222, 0225, 1839                           |

**Storage and handling information**

|                  |  |
|------------------|--|
| Storage          | Store in a cool fireproof place, separated from oxidants |
| Safety phrases   | 11-20/21/22-36   |
| Risk phrases     | 16-36/37   |
| Disposal methods | 20   |

**Transport regulations**

|                 |            |
|-----------------|------------|
| Tariff code     | 2926.90.90 |
| Hazardous class | 3          |
| Packing group   | II         |
| UN number       | 1648       |

