

# Technical Specification

**PRODUCT :** Acetonitrile ACCESS - HPLC, conforms ACS Gradient

**CODE :** 412410000

**MOLECULAR WEIGHT :** 41.05

**CAS N° :** 75-05-8

**FORMULA :** CH<sub>3</sub>CN

| TEST                     | U.M.  | SPECIFICATION           |
|--------------------------|-------|-------------------------|
| Description              | -     | Clear colourless liquid |
| Colour                   | APHA  | <= 10                   |
| Identification (I.R.)    | -     | Positive                |
| Density at 20°C          | -     | 0.781 - 0.785           |
| Refractive index at 20°C | -     | 1.3420 - 1.3450         |
| Boiling point            | °C    | 80.5 - 82.5             |
| Acidity                  | meq/g | <= 0.0005               |
| Alcalinity               | meq/g | <= 0.0003               |
| Water (K.F.)             | %     | <= 0.02                 |
| Residue on evaporation   | ppm   | <= 5                    |
| Assay (GC)               | %     | >= 99.5                 |
| UV cut off               | nm    | <= 190                  |
| UV Transmittance         | -     | -                       |
| at 220 nm                | %     | >= 90                   |
| at 254 nm                | %     | >= 99                   |
| UV Absorbance            | -     | -                       |
| at 220 nm                | AU    | <= 0.05                 |
| at 254 nm                | AU    | <= 0.01                 |
| Gradient elution ACS     | -     | Pass test               |
| Filtered at 0.2 micron   |       |                         |

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application. CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of inappropriate use.

**Date:** 16/07/2026

Approved electronically, valid without a signature

**QUALITY LABORATORY  
TECHNICIAN  
MAXIME DAMBRE  
VAL DE REUIL**