

Technical Specification

PRODUCT : ACETONITRILE RS - For HPLC PLUS Gradient grade - ACS - Reag.Ph.Eur. - Reag.USP

CODE : 412390000

MOLECULAR WEIGHT :41.05

CAS N° : 75-05-8

FORMULA : CH3CN

| TEST | U.M. | SPECIFICATION |
|---|-------|-------------------------|
| Description | - | Clear colourless liquid |
| Colour | APHA | <= 10 |
| Identification | - | Positive |
| Density at 20°C | - | 0.781 - 0.785 |
| Refractive index at 20°C | - | 1.3420 - 1.3443 |
| Distillation range 95% distils betw een | °C | 80 - 82 |
| Titration acid | meq/g | <= 0.0008 |
| Titration base | meq/g | <= 0.0002 |
| Residue on evaporation | % | <= 0.0002 |
| Water (K.F.) | % | <= 0.01 |
| Litmus paper test | - | Conform |
| Assay (GC) | % | >= 99.9 |
| Fluorescence | - | - |
| at 254 nm | ppb | <=1 |
| at 365 nm | ppb | <= 0.5 |
| at 450 nm | ppb | <= 0.5 |
| UV Transmittance | - | - |
| at 195 nm | % | >= 79 |
| at 200 nm | % | >= 90 |
| at 210 nm | % | >=95 |
| at 220 nm | % | >=98 |
| from 240 nm to 420 nm | % | >= 98 |
| UV Absorbance | - | - |
| at 190 nm | AU | <= 1.00 |
| at 200 nm | AU | <= 0.05 |
| at 220 nm | AU | <= 0.05 |
| at 254 nm | AU | <= 0.01 |
| from 240 nm to 420 nm | AU | <= 0.01 |
| UV Absorbance ACS | - | Pass test |
| Gradient elution ACS | - | pass test |
| HPLC Gradient | - | - |
| at 210 nm | mAU | <= 2 |
| at 254 nm | mAU | <= 0.8 |

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.
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