

# Specification

Item number: HN40

## Acetonitrile

### ROTISOLV® ≥99,98 %, Ultra LC-MS

CAS No.: 75-05-8

print date:

01.01.2024

formula: C<sub>2</sub>H<sub>3</sub>N

density: 0,79

molecular weight: 41,05 g/mol

#### *Guarantee analysis*

Assay (GC)	≥99,98 %
Colour (APHA)	≤5
Water (KF)	≤0,01 %
Free acid (as CH <sub>3</sub> COOH)	≤0,001 %
Free alkali (as NH <sub>3</sub> )	≤0,0001 %
Non volatile matter	≤0,0001 %
Aluminium (Al)	≤20 ppb
Calcium (Ca)	≤50 ppb
Iron (Fe)	≤20 ppb
Potassium (K)	≤50 ppb
Magnesium (Mg)	≤20 ppb
Sodium (Na)	≤100 ppb

#### *Fluorescence (as quinine):*

254 nm	≤0,25 ppb
365 nm	≤0,25 ppb

#### *Gradient test UV absorption of the greatest eluated peak:*

210 nm	≤0,001 AU
254 nm	≤0,0003 AU

#### *Transmission:*

230 nm	≥99 %
215 nm	≥98 %
200 nm	≥97 %
195 nm	≥85 %
191 nm	≥30 %

Our products are tested for laboratory use only.  
The stated information refers to the current status of product quality.  
We reserve the right to implement necessary changes.

---

**Dr. R. Niemand**  
*Head of Quality Assurance*

**S. Lorse**  
*Head of Quality Management*

*This document is computer printout and has therefore not been signed by hand.*

---

**Carl Roth GmbH + Co. KG**  
Schoemperlenstraße 3-5  
76185 Karlsruhe

Telefon 0721/5606-0  
Telefax 0721/5606-149  
E-Mail: [info@carlroth.de](mailto:info@carlroth.de)

Die Firma ist eine Kommanditgesellschaft mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRA 100055. Persönlich haftende Gesellschafterin ist die Firma Roth Chemie GmbH mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRB 100428. Geschäftsführer: André Houdelet

