

# Technical Specification

**PRODUCT : ACETONITRILE RS - For LC/MS**
**CODE : 412342**
**MOLECULAR WEIGHT :41.05**
**CAS N° : 75-05-8**
**FORMULA : CH3CN**

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Colour	APHA	<= 10
Identification (I.R.)	-	Positive
Refractive index at 20°C	-	1.342 - 1.346
Water (K.F.)	ppm	<= 100
Residue on evaporation	ppm	<= 2
Acidity	meq/g	<= 0.0005
Alcalinity	meq/g	<= 0.0002
Assay (GC)	%	>= 99.95
UV Transmittance	-	-
at 195 nm	%	>= 80
at 200 nm	%	>= 95
at 220 nm	%	>= 98
from 230 nm	%	>= 99
Fluorescence (quinine)	-	-
at 254 nm	ppb	<= 1
at 365 nm	ppb	<= 0.5
HPLC Gradient	-	-
at 210 nm	mAU	<= 1
at 254 nm	mAU	<= 0.2
Test LC-MS TIC (50-2000m/z) ESI (+)	-	-
Sensitive Impurities (reserpine)	ppb	<= 50
Metals compounds	-	-
Al	ppb	<= 50
Fe	ppb	<= 50
Na	ppb	<= 50
Ca	ppb	<= 50
Mg	ppb	<= 50
K	ppb	<= 50

UV cut off 190 nm

HPLC gradient : H2O/Acetonitril from 5 to 90% in acetonitril, 16 min, flow 1.8ml/min

Metals compounds : mesured at batch release

Filtered through a 0.1 µm membrane.

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 in