



Acetonitrile

Synonyms:

Methyl cyanide, ACN, Cyanomethane

CH ₃ CN	Classification	Danger
Molecular weight	41.05 ONU	1648  
CAS	75-05-8 Transport hazard class:	3
EEC-N:	200-835-2 Packing	II

Acetonitrile

> RS - For UHPLC-MS

Special Grade

Identification (I.R.)	Positive	-
Refractive index at 20°C	1.342 - 1.346	-
Residue on evaporation	<= 1	ppm
Acidity	<= 0.0003	meq/g
Alcalinity	<= 0.0002	meq/g
Assay (GC)	>= 99.99	%
Water (K.F.)	<= 100	ppm



UV Transmittance	-	-
at 191 nm	≥ 40	%
at 195 nm	≥ 80	%
at 200 nm	≥ 95	%
at 215 nm	≥ 97	%
from 230 nm	≥ 99	%
UV Absorbance	-	-
at 191 nm	≤ 0.4	AU
at 200 nm	≤ 0.03	AU
at 220 nm	≤ 0.01	AU
at 254 nm	≤ 0.005	AU
Fluorescence (quinine)	-	-
at 254 nm	≤ 1	ppb
at 365 nm	≤ 0.5	ppb
at 450 nm	≤ 0.5	ppb
UHPLC gradient peak	-	-
at 210 nm	≤ 0.4	mAU
at 254 nm	≤ 0.2	mAU
Gradient baseline drift at 210 nm	≤ 6	mAU
Gradient baseline drift at 254 nm	≤ 2	mAU

Test LC-MS TIC (50-2000m/z) ESI (+)	-	-
Sensitive Impurities (reserpine)	<= 30	ppb
Metals compounds	-	-
Al	<= 20	ppb
Fe	<= 20	ppb
Na	<= 50	ppb
Ca	<= 50	ppb
Mg	<= 20	ppb
K	<= 50	ppb
Description	Clear colourless liquid	-
Colour	<= 5	APHA

ID	Size	Packaging
0000000000000412041	1 l	Glass bottle
0000000000000412042	2.5 l	Glass bottle



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