



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 HPLC - GOLD - Ultragradient grade

Special Grade

Description	Clear liquid	-
Colour	<= 10	APHA
Identification	Positive	-
Miscible in acetone	Conform	-
Water miscibility	Conform	-
Diethyl ether miscibility	Conform	-
Miscibility in methanol	Conform	-



Acetonitrile**> RS - For HPLC - GOLD - Ultragradient grade****Special Grade**

Density at 20°C	0.781 - 0.785	-
Refractive index at 20°C	1.342 - 1.344	-
Boiling point	80.5 - 82.5	°C
Water (K.F.)	≤ 100	ppm
Residue on evaporation	≤ 2	ppm
Acidity	≤ 0.0003	meq/g
Alcalinity	≤ 0.0002	meq/g
Assay (GC)	≥ 99.9	%
Fluorescence (quinine)	-	-
at 254 nm	≤ 1	ppb
at 365 nm	≤ 0.5	ppb
at 450 nm	≤ 0.5	ppb
UV Absorbance	-	-
at 190 nm	≤ 0.6	AU
at 200 nm	≤ 0.03	AU
at 220 nm	≤ 0.01	AU
at 254 nm	≤ 0.005	AU
UV Transmittance	-	-
at 195 nm	≥ 80	%
at 200 nm	≥ 95	%



at 228 nm	>= 99	%
from 230 to 420 nm	>= 99	%
HPLC Gradient	-	-
at 210 nm	<= 1	mAU
at 254 nm	<= 0.2	mAU
Gradient baseline drift at 210 nm	<= 12	mAU
UV cut off	<= 190	nm

ID	Size	Packaging
000000000412371000	1 l	Glass bottle
000000000000412375	5 l	Metal drum
000000000412372000	2.5 l	Glass bottle
000000000000412374	4 l	Glass bottle



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