

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	%	>=97
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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