

Certificate of Analysis

PRODUCT : ACETONITRILE RS - For HPLC PLUS Gradient grade - ACS - Reag.Ph.Eur. - Reag.USP

CODE : 412392000

LOT N° : P2F118042G

MOLECULAR WEIGHT : 41.05

RE-TEST DATE : 07/2026

CAS N° : 75-05-8

FORMULA : CH3CN

TEST	U.M.	SPECIFICATION	RESULT
Description	-	Clear colourless liquid	Conform
Colour	APHA	<= 10	5
Identification	-	Positive	Conform
Density at 20°C	-	0.781 - 0.785	Conform
Refractive index at 20°C	-	1.3420 - 1.3443	1.3438
Litmus paper test	-	Conform	Conform
Distillation range 95% distils between	°C	80 - 82	Conform
Residue on evaporation	%	<= 0.0002	0.0002
Titration acid	meq/g	<= 0.0008	<0.0008
Titration base	meq/g	<= 0.0002	<0.0002
Water (K.F.)	%	<= 0.01	0.00
Fluorescence	-	-	-
at 254 nm	ppb	<=1	<1
at 365 nm	ppb	<= 0.5	< 0.5
at 450 nm	ppb	<= 0.5	< 0.5
UV Transmittance	-	-	-
at 195 nm	%	>= 79	80
at 200 nm	%	>= 90	93
at 210 nm	%	>=95	96
at 220 nm	%	>=98	98
from 240 nm to 420 nm	%	>= 98	>98
UV Absorbance	-	-	-
at 190 nm	AU	<= 1.00	0.6
at 200 nm	AU	<= 0.05	0.03
at 220 nm	AU	<= 0.05	0.01
at 254 nm	AU	<= 0.01	0.003
from 240 nm to 420 nm	AU	<= 0.01	<0.01
UV Absorbance ACS	-	Pass test	Conform
Gradient elution ACS	-	pass test	Conform
HPLC Gradient	-	-	-
at 210 nm	mAU	<= 2	0.28
at 254 nm	mAU	<= 0.8	0
Assay (GC)	%	>= 99.9	100.0
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.

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 inappropriate use.

Approve Date : 29/06/2022

Approved electronically, valid without a signature

QUALITY CONTROL RESPONSIBLE

P. GUERARD (PEYPIN)