

Technical Specification

PRODUCT : ACETONITRILE RS - For HPLC - GOLD - Ultragradient grade GOLD - Ultragradient

CODE : 412370000

MOLECULAR WEIGHT :41.05

CAS N° : 75-05-8

FORMULA : CH₃CN

TEST	U.M.	SPECIFICATION
Description	-	Clear liquid
Colour	APHA	<= 10
Identification	-	Positive
Miscible in acetone	-	Conform
Water miscibility	-	Conform
Diethyl ether miscibility	-	Conform
Miscibility in methanol	-	Conform
Density at 20°C	-	0.781 - 0.785
Refractive index at 20°C	-	1.342 - 1.344
Boiling point	°C	80.5 - 82.5
Water (K.F.)	ppm	<= 100
Residue on evaporation	ppm	<= 2
Acidity	meq/g	<= 0.0003
Alcalinity	meq/g	<= 0.0002
Assay (GC)	%	>= 99.9
Fluorescence (quinine)	-	-
at 254 nm	ppb	<= 1
at 365 nm	ppb	<= 0.5
at 450 nm	ppb	<= 0.5
UV Absorbance	-	-
at 190 nm	AU	<= 0.6
at 200 nm	AU	<= 0.03
at 220 nm	AU	<= 0.01
at 254 nm	AU	<= 0.005
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	mAU	<= 1
at 254 nm	mAU	<= 0.2
Gradient baseline drift at 210 nm	mAU	<= 12
UV cut off	nm	<= 190

Filtered at 0.1 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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