



Biosolve Chimie
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Certified ISO 9001:2015

Internet website: www.biosolve-chemicals.com

CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : Acetonitrile HPLC Supra Gradient (Reag. EP/BP/USP) 4 L

Synonym: ACN, Methyl cyanide.



Article no :	0001203504BS	CAS 75-05-8	M.P. -46 °C
Lot#:	0010005022	EC NO 200-835-2	B.P. 81-82 °C
Grade:	HPLC Supra-Gradient (Reag. EP/BP/USP)	FW C2H3N	n20/D1.344
		MW 41.04	
		DENSITY 0.783	UN 1648,3,II

Test	Specification	Result
Clear colorless liquid	Complying	Complying
Acidity (as Acetic acid)	<= 0.001 %	0.001 %
Alkalinity (as Ammonia)	<= 0.0001 %	< 0.0001 %
Color (APHA Pt-Co)	<= 5	5
Fluorescence 254nm (as Quinine)	<= 0.3 ppb	< 0.3 ppb
Fluorescence 365nm (as Quinine)	<= 0.3 ppb	< 0.3 ppb
Assay (GC on anhydrous basis)	>= 99.97 %	99.99 %
Grad. elution H.Peak at 210nm	<= 0.001 AU	< 0.001 AU
Grad. elution drift at 210nm	<= 0.006 AU	0.006 AU
Grad. elution H.Peak at 254nm	<= 0.0003 AU	0.0001 AU
Grad. elution drift at 254nm	<= 0.002 AU	0.002 AU
Residue after evaporation	<= 0.0001 %w/w	< 0.0001 %w/w
Water (KF)	<= 0.01 %w/w	0.01 %w/w
Identity (IR)	Complying	Complying
UV Trans. 191nm	>= 30 %	46 %
UV Trans. 195nm	>= 85 %	87 %
UV Trans. 200nm	>= 97 %	97 %
UV Trans. 215nm	>= 98 %	98 %
UV Trans. 220nm	>= 98 %	99 %
UV Trans. 230nm	>= 99 %	100 %
UV Trans. 254nm	>= 99 %	100 %
UV Abs. 200nm	<= 0.013 AU	0.012 AU
UV Trans. 225-420nm	>= 98 %	99 %
UV Abs. 250-280nm (Vs. air)	<= 0.01 AU	< 0.01 AU
Silver (Ag)	<= 0.1 ppm	< 0.1 ppm
Aluminum (Al)	<= 0.05 ppm	< 0.05 ppm
Barium (Ba)	<= 0.1 ppm	< 0.1 ppm
Bismuth (Bi)	<= 0.1 ppm	< 0.1 ppm
Calcium (Ca)	<= 0.1 ppm	< 0.1 ppm
Cadmium (Cd)	<= 0.05 ppm	< 0.05 ppm
Cobalt (Co)	<= 0.1 ppm	< 0.1 ppm
Chromium (Cr)	<= 0.05 ppm	< 0.05 ppm
Copper (Cu)	<= 0.05 ppm	< 0.05 ppm



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M.P. -46 °C

Lot#: 0010005022

EC NO 200-835-2

B.P. 81-82 °C

Grade: HPLC Supra-Gradient
(Reag. EP/BP/USP)

FW C2H3N

n20/D1.344

MW 41.04

DENSITY 0.783

UN 1648,3,II

Test	Specification	Result
Iron (Fe)	<= 0.02 ppm	< 0.02 ppm
Potassium (K)	<= 0.1 ppm	< 0.1 ppm
Lithium (Li)	<= 0.1 ppm	< 0.1 ppm
Magnesium (Mg)	<= 0.05 ppm	< 0.05 ppm
Manganese (Mn)	<= 0.05 ppm	< 0.05 ppm
Molybdenum (Mo)	<= 0.05 ppm	< 0.05 ppm
Sodium (Na)	<= 0.1 ppm	< 0.1 ppm
Nickel (Ni)	<= 0.02 ppm	< 0.02 ppm
Lead (Pb)	<= 0.05 ppm	< 0.05 ppm
Tin (Sn)	<= 0.05 ppm	< 0.05 ppm
Strontium (Sr)	<= 0.05 ppm	< 0.05 ppm
Zinc (Zn)	<= 0.1 ppm	< 0.1 ppm

Filtered through 0.2um, filled under inert gas.

Manufacturing Date : 12/2021

Expiration Date : 12/2024

TERMS OF SALE:

SELLERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVEN TO BE DEFECTIVE. SELLER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE, MISUSE, OR THE INABILITY TO USE THE PRODUCT. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE AND SHALL ASSUME ALL LIABILITY IN CONNECTION THEREWITH.

Store at room temperature in a shaded and ventilated place.

Our COA's are computer printouts and therefore valid without signature.

SDS is available on our website.

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 QC Manager