



Biosolve Chimie
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Certified ISO 9001:2015

Biosolve BV
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CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : Acetonitrile ULC/MS - CC/SFC 4 L

Synonym: ACN, Methyl cyanide.



Article no : 0001204104BS

CAS 75-05-8

M.P. -46 °C

Lot#: 0010011002

EC NO 200-835-2

B.P. 81-82 °C

Grade: ULC/MS - CC/SFC

FW C2H3N

n20/D1.344

MW 41.04

DENSITY 0.783

UN 1648,3,II

Test	Specification	Result
Clear colorless liquid	Complying	Complying
Color (APHA Pt-Co)	<= 5	5
Assay (GC on anhydrous basis)	>= 99.99 %	99.99 %
Residue after evaporation	<= 0.0001 %w/w	< 0.0001 %w/w
Water (KF)	<= 0.01 %w/w	< 0.01 %w/w
Acidity (as Acetic acid)	<= 0.001 %	0.001 %
Alkalinity (as Ammonia)	<= 0.0001 %	0.0001 %
UHPLC/MS ESI/APCI+ (as Reserpine)	<= 2 ppb	< 2 ppb
UHPLC/MS ESI/APCI- (as Reserpine)	<= 20 ppb	< 20 ppb
H.Peak by PDAD 210-400nm	<= 0.001 AU	< 0.001 AU
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
Fluorescence 254nm (as Quinine)	<= 0.3 ppb	< 0.3 ppb
Fluorescence 365nm (as Quinine)	<= 0.3 ppb	< 0.3 ppb
UV Trans. 191nm	>= 30 %	49 %
UV Trans. 195nm	>= 85 %	87 %
UV Trans. 200nm	>= 97 %	97 %
UV Trans. 215nm	>= 98 %	99 %
UV Trans. >230nm	>= 99 %	99 %
Silver (Ag)	<= 50 ppb	< 50 ppb
Aluminum (Al)	<= 20 ppb	< 20 ppb
Barium (Ba)	<= 50 ppb	< 50 ppb
Bismuth (Bi)	<= 50 ppb	< 50 ppb
Calcium (Ca)	<= 50 ppb	< 50 ppb
Cadmium (Cd)	<= 50 ppb	< 50 ppb
Cobalt (Co)	<= 20 ppb	< 20 ppb
Chromium (Cr)	<= 20 ppb	< 20 ppb
Iron (Fe)	<= 20 ppb	< 20 ppb
Potassium (K)	<= 50 ppb	< 50 ppb
Lithium (Li)	<= 50 ppb	< 50 ppb
Magnesium (Mg)	<= 20 ppb	< 20 ppb



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UN 1648,3,II

Test	Specification	Result
Manganese (Mn)	<= 20 ppb	< 20 ppb
Molybdenum (Mo)	<= 50 ppb	< 50 ppb
Sodium (Na)	<= 50 ppb	< 50 ppb
Nickel (Ni)	<= 20 ppb	< 20 ppb
Lead (Pb)	<= 20 ppb	< 20 ppb
Tin (Sn)	<= 50 ppb	< 50 ppb
Strontium (Sr)	<= 50 ppb	< 50 ppb
Zinc (Zn)	<= 50 ppb	< 50 ppb
Copper (Cu)	Not detected	Not detected

Filtered through 0.03um, filled under inert gas.

Manufacturing Date : 03/2023

Expiration Date : 02/2026

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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