



**Biosolve Chimie**  
20 Rue Roger Husson, 57260 Dieuze, France.

Tel: +33 3 878 675 80 Fax: +33 3 878 675 89  
Email: info@biosolve-chimie.com

**Certified ISO 9001:2015**

**Biosolve BV**  
Kerkhofstraat 21, 5554HG Valkenswaard, the Netherlands.

Tel: +31-(0)40-2071300 Fax: +31-(0)40-204 85 37  
Email: info@biosolve-chemicals.com

Internet website: www.biosolve-chemicals.com

## CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : Acetonitrile HPLC-S 4 L

Synonym: ACN, Methyl cyanide.



Article no : 0001200704BS

CAS 75-05-8

M.P. -46 °C

Lot#: 0010010647

EC NO 200-835-2

B.P. 81-82 °C

Grade: HPLC-S Gradient Grade

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)	<= 0.002 %	0.001 %
Alkalinity (as Ammonia)	<= 0.0002 %	0.0001 %
Color (APHA Pt-Co)	<= 5	5
Fluorescence 254nm (as Quinine)	<= 0.5 ppb	< 0.3 ppb
Fluorescence 365nm (as Quinine)	<= 0.5 ppb	< 0.3 ppb
Assay (GC on anhydrous basis)	>= 99.95 %	99.99 %
Grad. elution H.Peak at 210nm	<= 0.002 AU	< 0.001 AU
Grad. elution drift at 210nm	<= 0.01 AU	0.01 AU
Grad. elution H.Peak at 254nm	<= 0.0005 AU	0.0001 AU
Grad. elution drift at 254nm	<= 0.003 AU	0.003 AU
Residue after evaporation	<= 0.0001 %w/w	0.0001 %w/w
Water (KF)	<= 0.02 %w/w	< 0.01 %w/w
UV Trans. 193nm	>= 60 %	70 %
UV Trans. 195nm	>= 80 %	85 %
UV Trans. 200nm	>= 95 %	96 %
UV Trans. 220nm	>= 98 %	98 %
UV Trans. 230nm	>= 98 %	99 %
UV Trans. 254nm	>= 99 %	100 %
Identity (IR)	Complying	Complying

Filtered through 0.2um, filled under inert gas.

Manufacturing Date : 02/2023

Expiration Date : 01/2028

#### 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.

Y.Shalom  
Ph.D. QC