



Biosolve Chimie
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Certified ISO 9001:2015

Biosolve BV
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CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : Tetrahydrofuran (unstab.) ULC/MS - Suitable GPC analysis 1 L



Article no : 0020224101BS

CAS 109-99-9

M.P. -108.4 °C

Lot#: 0010007827

EC NO 203-726-8

B.P. 66 °C

Grade: ULC/MS - Suitable for GPC analysis

FW C4H8O

n20/D1.407

MW 72.11

DENSITY 0.89

UN 2056,3,II

Test	Specification	Result
Clear colorless liquid	Complying	Complying
Color (APHA Pt-Co)	<= 10	5
Assay (GC on anhydrous basis)	>= 99.9 %	99.9 %
Acidity (as Acetic acid)	<= 0.0020 %	0.0012 %
Alkalinity (as Ammonia)	<= 0.0005 %	0.0001 %
Peroxides (as H2O2)	<= 0.01 %	< 0.01 %
UHPLC/MS ESI/APCI+ (as Reserpine)	<= 20 ppb	< 10 ppb
UHPLC/MS ESI/APCI- (as Reserpine)	<= 50 ppb	< 50 ppb
Water (KF)	<= 0.02 %w/w	< 0.01 %w/w
Fluorescence 254nm (as Quinine)	<= 1 ppb	< 1 ppb
Fluorescence 365nm (as Quinine)	<= 1 ppb	< 1 ppb
Grad. elution H.Peak at 254nm	<= 0.01 AU	< 0.01 AU
Grad. elution H.Peak at 280nm	<= 0.003 AU	< 0.001 AU
UV Trans. 215nm	>= 30 %	30 %
UV Trans. 235nm	>= 40 %	44 %
UV Trans. 245nm	>= 55 %	58 %
UV Trans. 250nm	>= 65 %	66 %
UV Trans. 265nm	>= 80 %	85 %
UV Trans. 275nm	>= 90 %	93 %
UV Trans. 280nm	>= 95 %	95 %
UV Trans. 310nm	>= 99 %	100 %
Residue after evaporation	<= 0.0001 %w/w	< 0.0001 %w/w
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



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Test	Specification	Result
Magnesium (Mg)	<= 20 ppb	< 20 ppb
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

Filtered through 0.1um, filled under inert gas.

Manufacturing Date : 07/2022

Expiration Date : 07/2025

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 under inert gas 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 Manager