



MULTISOLVENT®

One solution, many applications



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Why use so many different grades of the same solvent?

You can simplify your work by using Multisolvent®.

Multisolvent® comprises a group of versatile solvents which can be used in HPLC, Karl Fischer titration, UV/VIS spectroscopy, isocratic HPLC and in general analyses that require reagent grade products.

The high purity and low water content of Multisolvent® make it useful for almost every application in the laboratory.

Why use Multisolvent®?

Guarantee your results

Scharlau's Multisolvent® is a range of high added-value solvents. Our QC controls ensure that the product is suitable for all the applications we guarantee it for, performed by means of modern analytical techniques such as GC, HPLC, ICP, UV spectroscopy and Karl Fischer titrations.

All this leads to a solvent of outstanding quality, even improving upon the quality of single application products.

Optimize your purchasing and stocks

Scharlau's Multisolvent® is a unique product. One single product suitable for most of your applications, it will save you from keeping many different grades in stock. Purchasing will be simplified, as you won't have to keep track of different grades and different suppliers.

Use optimal packaging

We offer our Multisolvent® in a wide range of packaging capacities, to adapt as much as possible to your needs.

We use our highly-resistant and durable amber glass bottles, ensuring the highest product safety and quality.

It will cost you less

Get the advantage of purchasing our Multisolvent® at a price comparable to single application products of equivalent qualities, and use it for multiple applications.

Avoid investing in smaller and more expensive presentations for your "not so frequent" applications in the laboratory.

Benefit from unifying with Multisolvent®, get better prices for higher volumes.

No more worries about specific solvents for occasional applications expiring on the shelf.



Multisolvant® applications

The most frequent use of our Multisolvant® is HPLC. Nevertheless it could be used for numerous applications, making it one of the most universal grades. Such applications include:

Analytical reagent

Our Multisolvant® products are guaranteed to be reagent grade. Most of our products meet or exceed the specifications required by the ACS (American Chemical Society) for chemicals used in analytical testing.

Scharlab uses GC-FID detection as a regular method to quantify the actual content of each batch.

Karl Fischer

Although it cannot be considered an anhydrous product, Multisolvant® has a low water content, making it perfectly suitable and competitive for Karl Fischer determinations.

In the case of methanol, the water content of our Multisolvant® (<0,03%) is much lower than that required by the ACS (max. 0,1% water) for Karl Fischer reagents.

HPLC

Since the UV detector is the most widely used detector in HPLC, our Multisolvant® products are controlled by UV spectroscopy, to ensure that these products are suitable for isocratic HPLC. Moreover, Multisolvant® is microfiltered to prevent the presence of particles that might damage HPLC system pumps.

UV-VIS

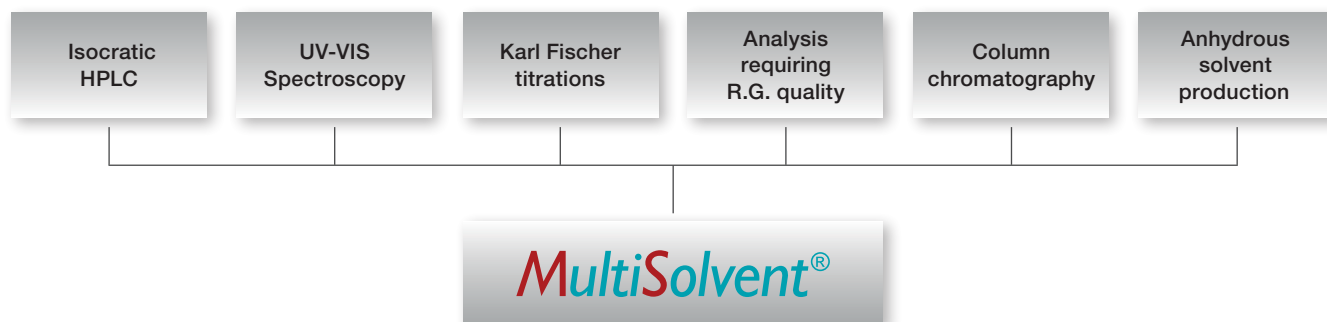
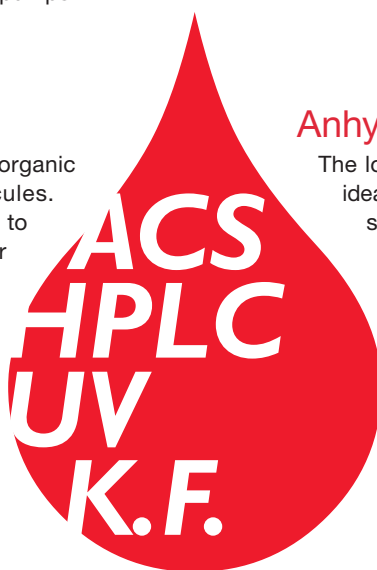
Our Multisolvant® products are checked with a scanning UV-VIS spectrophotometer, to guarantee suitability for tests using UV-VIS spectroscopy.

Column chromatography

This separation technique is widely used in organic chemistry to purify synthesized molecules. Multisolvant® grade has low residue levels to ease the interpretation of NMR spectra after total solvent evaporation.

Anhydrous solvent production

The low water content of Multisolvant® makes it an ideal starting solvent for the production of anhydrous solvents whether using new technology, based on pressurised absorption columns, or thermal distillation.



Multisolvent® specifications

We guarantee very tight specifications, so Multisolvent® can be used instead of HPLC, UV-VIS spectroscopy, reagent grade or Karl Fischer grades. This can be clearly seen when checking the specifications (TDS) of Multisolvent®, they fulfil all the requirements to be considered a universal solvent.



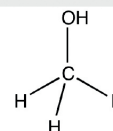
ME0315

Technical Data Sheet

Methanol, Multisolvent® HPLC grade ACS ISO UV-VIS K.F.

Identification

CH₃OH
M = 32,04 g/mol
CAS [67-56-1]
EC number: 200-659-6
Taric code: 2905 11 00



Synonyms

Methyl alcohol, Carbinol, Methynol, Wood alcohol

Applications

solvents, synthesis of organic products, in antifreeze compositions, solvent for animal and vegetable oils extractions.

Specifications

assay (G.C.).....	min. 99,9 %
identity (IR-spectrum).....	passes test
density (20°/4°).....	0,790 - 0,792
appearance.....	clear
colour (Hazen).....	max. 10
solubility in water.....	passes test
acidity.....	max. 0,0002 meq/g
alkalinity.....	max. 0,0002 meq/g
chlorides (Cl).....	max. 0,00005 %
sulfates (SO ₄).....	max. 0,0001 %
aluminium (Al).....	max. 0,00001 %
arsenic (As).....	max. 0,000002 %
barium (Ba).....	max. 0,000001 %
beryllium (Be).....	max. 0,000002 %
bismuth (Bi).....	max. 0,000002 %
boron (B).....	max. 0,000002 %
cadmium (Cd).....	max. 0,000001 %
calcium (Ca).....	max. 0,00003 %
chromium (Cr).....	max. 0,000002 %
cobalt (Co).....	max. 0,000002 %
copper (Cu).....	max. 0,000002 %
gallium (Ga).....	max. 0,000002 %
gold (Au).....	max. 0,000002 %
indium (In).....	max. 0,000002 %
iron (Fe).....	max. 0,000002 %
lead (Pb).....	max. 0,00001 %
lithium (Li).....	max. 0,000005 %
magnesium (Mg).....	max. 0,00001 %
manganese (Mn).....	max. 0,000001 %
molybdenum (Mo).....	max. 0,000002 %
nickel (Ni).....	max. 0,000002 %
platinum (Pt).....	max. 0,000005 %
silver (Ag).....	max. 0,000002 %

thallium (Tl).....	max. 0,000002 %
tin (Sn).....	max. 0,00001 %
titanium (Ti).....	max. 0,000002 %
vanadium (V).....	max. 0,000002 %
zinc (Zn).....	max. 0,000001 %
zirconium (Zr).....	max. 0,000002 %
acetone (G.C.).....	max. 0,001 %
ethanol (G.C.).....	max. 0,05 %
aldehydes and ketones (as C ₂ H ₅ CHO).....	max. 0,001 %
acetaldehyde (CH ₃ CHO).....	max. 0,001 %
formaldehyde.....	max. 0,0001 %
carbonyl compounds (as CO).....	max. 0,001 %
substances darkened by H ₂ SO ₄	passes test
substances reducing KMnO ₄	passes test
residue on evaporation.....	max. 0,0002 %

water (K.F.)..... max. 0,03 %

liquid chromatography suitability

absorbance..... passes test

min. transmission/max. absorbance

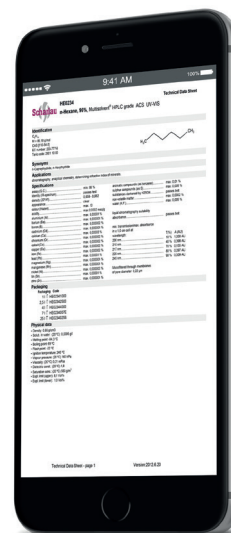
in a 1,0 cm cell at wavelength:	T(%)	A (AU)
207 nm.....	10 %	1,000 AU
220 nm.....	50 %	0,301 AU
232 nm.....	80 %	0,097 AU
242 nm.....	90 %	0,046 AU
260 nm.....	98 %	0,009 AU

Microfiltered through membranes of pore diameter 0,22 µm

Multisolvent®	HPLC	ACS	ISO	UV-VIS	GPC	KF	Art. No.
Acetone	✓	✓	✓	✓	—	—	AC0310
Acetonitrile	✓	✓	✓	✓	—	—	AC0333
Benzene	✓	✓	✓	✓	—	—	BE0041
Chloroform, stabilized with ethanol	✓	✓	✓	✓	—	—	CL0218
Cyclohexane	✓	✓	✓	✓	—	—	CI0039
Dichloromethane, stabilized ca. 50ppm amylene	✓	✓	✓	✓	—	—	CL0347
N,N-Dimethylformamide	✓	✓	✓	✓	—	—	DI1072
Ehtanol Absolute	✓	✓	✓	✓	—	—	ET0015
Ethanol 96%	✓	✓	✓	✓	—	—	ET0013
Ethyl acetate	✓	✓	✓	✓	—	—	AC0155
Diethyl ether, stabilized ca. 7 ppm BHT	—	✓	✓	—	—	—	ET0082
n-Hexane 96%	✓	✓	✓	✓	—	—	HE0234
Hexane, fraction from petroleum	✓	✓	—	—	—	—	HE0221
Isohexane	✓	—	—	—	—	—	IS0122
Methanol	✓	✓	✓	✓	—	✓	ME0315
Petroleum ether, boiling range 40-60°C	✓	✓	✓	✓	—	—	ET0095
2-Propanol	✓	✓	✓	✓	—	—	AL0321
Tetrachloroethene	✓	—	—	—	—	—	TE0127
Tetrahydrofuran, stabilized ca. 250 ppm BHT	—	✓	—	—	✓	—	TE0228
Toluene	✓	✓	✓	✓	—	—	TO0085
Xylene, mixture of isomers	✓	✓	—	—	—	—	XI0059

We provide you the means for accessing the product related technical information direct from the label. Read the Scharlau chemical products QR barcode and instantly obtain all the documentation associated with the scanned products using our Scharlab Reader App for iOS and Android:

- Multi Language minilabels containing:
 - Product description
 - Hazard pictograms and H&P statements
 - Part number
 - Batch number
 - Technical Data Sheets
 - Safety Data Sheets
 - Certificate of Analysis
1. Download the Scharlab Reader App for iOS/Android
 2. Read the QR Barcode printed on the product label
 3. Access the product documentation menu
 4. Select and obtain the files of interest
 5. Keep them on record for future consultation

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Ordering information

AC0310

Acetone, Multisolvant®

AC03101000	1 l	0
AC03102500	2,5 l	0
AC03104000	4 l	0
AC0310007E	7 l	0
AC0310025S	25 l	0
AC0310030S	30 l	0

AC0333

Acetonitrile, Multisolvant®

AC03331000	1 l	0
AC03332500	2,5 l	0
AC03334000	4 l	0
AC0333007E	7 l	0
AC0333020S	20 l	0
AC0333025S	25 l	0

BE0041

Benzene, Multisolvant®

BE00411000	1 l	0
BE00412500	2,5 l	0
BE00414000	4 l	0
BE0041007E	7 l	0
BE0041025S	25 l	0

CL0218

Chloroform, Multisolvant®, stabilized with ethanol

CL02181000	1 l	0
CL02182500	2,5 l	0

CI0039

Cyclohexane, Multisolvant®

CI00391000	1 l	0
CI00392500	2,5 l	0
CI00394000	4 l	0

CL0347

Dichloromethane, stabilized with approx. 50 ppm of amylene, Multisolvant®

CL03471000	1 l	0
CL03472500	2,5 l	0
CL03474000	4 l	0
CL0347007E	7 l	0
CL0347020S	20 l	0
CL0347025S	25 l	0

ET0082

Diethyl ether, stabilized with approx. 7 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT), Multisolvant®

ET00821000	1 l	0
ET00822500	2,5 l	0
ET00824000	4 l	0
ET0082007E	7 l	0
ET0082020S	20 l	0
ET0082025S	25 l	0

DI1072

N,N-Dimethylformamide, Multisolvant®

DI10721000	1 l	0
DI10722500	2,5 l	0
DI10724000	4 l	0
DI1072020S	20 l	0
DI1072025S	25 l	0

ET0015

Ethanol absolute, Multisolvant®

ET00151000	1 l	0
ET00152500	2,5 l	0
ET00154000	4 l	0
ET0015007E	7 l	0
ET0015025S	25 l	0

ET0013

Ethanol approx. 96%, Multisolvant®

ET00131000	1 l	0
ET00132500	2,5 l	0
ET0013007E	7 l	0
ET0013025S	25 l	0

AC0155

Ethyl acetate, Multisolvant®

AC01551000	1 l	0
AC01552500	2,5 l	0
AC01554000	4 l	0
AC0155007E	7 l	0
AC0155025S	25 l	0

HE0221

Hexane, fraction from petroleum, Multisolvant®

HE02211000	1 l	0
HE02212500	2,5 l	0
HE0221007E	7 l	0
HE0221025S	25 l	0

HE0234

n-Hexane, 96%, Multisolvant®

HE02341000	1 l	0
HE02342500	2,5 l	0
HE02344000	4 l	0
HE0234007E	7 l	0
HE0234020S	20 l	0
HE0234025S	25 l	0
HE0234030S	30 l	0

IS0122

Isohexane, Multisolvant®

IS01221000	1 l	0
IS01222500	2,5 l	0

ME0315

Methanol, Multisolvant®

ME03151000	1 l	0
ME03152500	2,5 l	0
ME03154000	4 l	0
ME0315007E	7 l	0
ME0315025S	25 l	0
ME0315030S	30 l	0

ET0095

Petroleum ether, Multisolvant®, boiling range 40-60°C

ET00951000	1 l	0
ET00952500	2,5 l	0
ET0095007E	7 l	0

AL0321

2-Propanol, Multisolvant®

AL03211000	1 l	0
AL03212500	2,5 l	0
AL03214000	4 l	0
AL0321007E	7 l	0
AL0321025S	25 l	0
AL0321030S	30 l	0

TE0127

Tetrachloroethene, Multisolvant®

TE01271000	1 l	0
TE01272500	2,5 l	0

TE0228

Tetrahydrofuran, stabilized with 250 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT), Multisolvant®

TE02281000	1 l	0
TE02282500	2,5 l	0
TE02284000	4 l	0
TE0228007E	7 l	0
TE0228030S	30 l	0

TO0085

Toluene, Multisolvant®

TO00851000	1 l	0
TO00852500	2,5 l	0
TO00854000	4 l	0
TO0085005M	5 l	0
TO0085007E	7 l	0
TO0085020S	20 l	0
TO0085025S	25 l	0

XI0059

Xylene, mixture of isomers, Multisolvant®

XI00591000	1 l	0
XI00592500	2,5 l	0

- 0 Glass bottle
 - 0 Aluminium container
 - 0 Returnable containers:
 - 0 Stainless steel packaging
 - 0 Stainless steel safety drum
 - 0 Stainless steel drum
 - 0 Pressurizable stainless steel container
- Not worldwide service, ask us for availability in your country.



In business since 1981

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