

Scharlau

The wise choice



MultiSolvent[®]

The simplest choice



*Why using so many different qualities of the same solvent?
You can simplify your work by using MultiSolvent®.
We guarantee MultiSolvent® for isocratic HPLC, UV spectroscopy,
Karl Fischer titrations and as ACS reagent grade. Nevertheless, the
high purity and low water content of MultiSolvent® make it useful
for almost every application in the laboratory.*

One solvent. Many applications

Single quality

MultiSolvent® from Scharlau is a unique quality. You will have one single product for all your applications, which will save you from keeping in stock many different qualities. Purchase will be simplified. You won't have to keep track of different qualities and different suppliers.

Preserve the environment

MultiSolvent® is available in one-way glass bottles as well as in stainless steel shuttle packaging. This way, you may help preserve the environment, since packaging will be returned for recycling.



Highly purified solvent

MultiSolvent® from Scharlau is a highly purified solvent. Multi-step purifications make sure that our new product complies with basically each and every specification of the four qualities it substitutes.

During and after manufacturing, quality control is effected by means of modern analytical techniques like GC, HPLC, ICP, UV spectroscopy and Karl Fischer titrations. All this leads to a solvent of maximum quality, improving the quality of the single application products.



Competitive price

MultiSolvent® from Scharlau is being offered at a competitive price. Standardising manufacturing processes and manufacturing larger quantities allows us to reduce costs, which we roll over to our customers. You end up paying less for a better product.

Analysis

We guarantee our MultiSolvent® as “reagent grade” quality. This means, that our products meet specifications of the ACS (American Chemical Society) for “Reagent Chemicals”. In actual fact, our solvents exceed by far these specifications, since the ACS refers itself only to maximum level of impurities which are allowed.

The actual content of each product is proofed by means of an GC chromatogram (FID detector), printed on the label. These guarantees make our MultiSolvent® an ideal solvent for analytical procedures.

HPLC

Probably the most widely used detector in HPLC is the UV detector. Our MultiSolvent® products are controlled by a UV spectrophotometer, to insure adequate UV transmissions for HPLC purposes. MultiSolvent® is ideal for isocratic HPLC techniques. Don't worry about time consuming microfiltration. Our solvents come free from pump damaging particles.

UV

MultiSolvent® products are checked with a scanning UV-VIS spectrophotometer.

Karl Fischer

Although not a “dry” product, its low content of water makes the MultiSolvent® suitable for routine Karl Fischer titrations at a very competitive price.

In the case of methanol, the water content of our MultiSolvent® (typically below 0,03%) is much lower than what is specified by the ACS (max. 0,1% water) for Karl Fischer reagents.

Column chromatography

This separation technique is routinely used in organic chemistry to purify synthesized molecules. The solvent used to develop the column must be pure enough to assure clean NMR spectra after total evaporation.

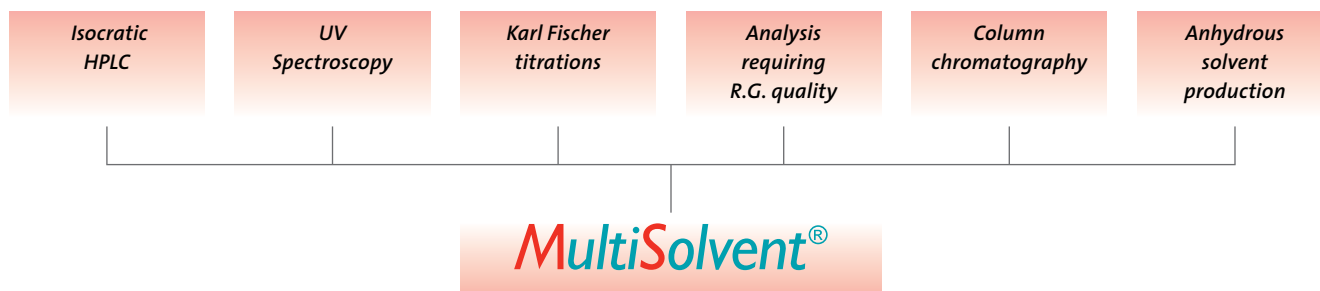
Anhydrous solvent production

MultiSolvent® has very low water content and is ideal to be used as starting solvent in the production of anhydrous solvents. Either if thermal distillation or pressure column technologies are used to obtain anhydrous solvents, it is important to start from solvents low in water.



MultiSolvent®

MultiSolvent® applications



Multisolvent® specifications

We guarantee very tight specifications, so that Multisolvent® can be used instead of HPLC, spectroscopy, reagent grade or Karl Fischer qualities. It is easily appreciated, when specifications of Multisolvent® are compared to the rest. Our Multisolvent® quality fulfills all the requirements to be considered a universal solvent.

PRODUCT	ME0302 REAGENT GRADE	ME0310 ISOCRATIC HPLC GRADE	ME0305 UV SPECTROSCOPY GRADE	ME0304 DRY	ME0315 MULTISOLVENT®	TESTED
Assay (G.C.)	min. 99,9%	min. 99,7%	min. 99,9%	min. 99,8%	min. 99,9%	✓
Acidity	max. 0,0002meq/g	max. 0,0002meq/g	max. 0,0003meq/g	max. 0,0002meq/g	max. 0,0002meq/g	✓
Akalinity	max. 0,0002meq/g	max. 0,0002meq/g	max. 0,0002meq/g	max. 0,0002meq/g	max. 0,0002meq/g	✓
Aluminium (Al)	max. 0,00005%			max. 0,00005%	max. 0,00001%	✓
Barium (Ba)	max. 0,00001%			max. 0,00001%	max. 0,000001%	✓
Boron (B)	max. 0,000002%			max. 0,000002%	max. 0,000002%	✓
Cadmium (Cd)	max. 0,000005%			max. 0,000005%	max. 0,000001%	✓
Calcium (Ca)	max. 0,00005%			max. 0,00005%	max. 0,00003%	✓
Zinc (Zn)	max. 0,00001%			max. 0,00001%	max. 0,000001%	✓
Copper (Cu)	max. 0,000002%			max. 0,000002%	max. 0,000002%	✓
Chromium (Cr)	max. 0,000002%			max. 0,000002%	max. 0,000002%	✓
Tin (Sn)	max. 0,00001%			max. 0,00001%	max. 0,00001%	✓
Iron (Fe)	max. 0,00001%			max. 0,00001%	max. 0,000002%	✓
Magnesium (Mg)	max. 0,00001%			max. 0,00001%	max. 0,00001%	✓
Manganese (Mn)	max. 0,000002%			max. 0,000002%	max. 0,000001%	✓
Nickel (Ni)	max. 0,000002%			max. 0,000002%	max. 0,000002%	✓
Lead (Pb)	max. 0,00001%			max. 0,00001%	max. 0,00001%	✓
Ethanol (G.C.)	max. 0,05%			max. 0,1%	max. 0,05%	✓
Aldehydes, ketones (as acetone)	max. 0,001%			max. 0,001%	max. 0,001%	✓
Substances darkened by H ₂ SO ₄	PASSES TEST			PASSES TEST	PASSES TEST	✓
Non-volatile matter	max. 0,001%	max. 0,0005%	max. 0,0002%	max. 0,0005%	max. 0,0003%	✓
Water (K.F.)	max. 0,05%	max. 0,05%	max. 0,03%	max. 0,005%	max. 0,03%	✓
Colour (Hazen)	max. 10		max. 10			

Minimum transmission in a 1,0 cm cell at wavelength:

	Transmission:		
260 nm		98%	98% ✓
245 nm	90%		
242 nm		90%	90% ✓
232 nm		80%	
220 nm	50%		50% ✓
210 nm	20%		20% ✓
207 nm		10%	10% ✓



ME0302

Methanol, reagent grade, ACS, ISO

ME0310

Methanol, isocratic HPLC grade

ME0305

Methanol, spectroscopy grade Spectrosol®

ME0304

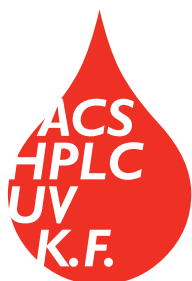
Methanol, dried (max. 0,005% H₂O), reagent grade (K.F.)

ME0315

Methanol, Multisolvent®

Multisolvent® tips

- It will cost you less
- It will reduce the stock of your solvents
- It will simplify your election
- It will guarantee your results
- It will avoid errors in your laboratory
- It will increase your safety
- You can also purchase it in shuttle packaging



MultiSolvent®

Shuttle packaging is available only in some countries. Ask your distributor!

CAT-00MS11



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Ordering information

AC0310

Acetone, Multisolvent®		
AC03101000	1 l	●
AC03102500	2,5 l	●
AC03104000	4 l	●
AC0310007E	7 l	●
AC0310025S	25 l	■

AC0333

Acetonitrile, Multisolvent®		
AC03331000	1 l	●
AC03332500	2,5 l	●
AC03334000	4 l	●
AC0333007E	7 l	●
AC0333025S	25 l	■

BE0041

Benzene, Multisolvent®		
BE00411000	1 l	●
BE00412500	2,5 l	●
BE00414000	4 l	●
BE0041007E	7 l	●
BE0041025S	25 l	■

CL0218

Chloroform, Multisolvent®, stabilized with etanol		
CL02181000	1 l	●
CL02182500	2,5 l	●

CI0039

Cyclohexane, Multisolvent®		
CI00391000	1 l	●
CI00392500	2,5 l	●
CI00394000	4 l	●
CI0039007E	7 l	●

CL0347

Dichloromethane, Multisolvent®, stabilized with approx. 50 ppm of amylene		
CL03471000	1 l	●
CL03472500	2,5 l	●
CL03474000	4 l	●
CL0347007E	7 l	●

DI1072

N,N-Dimethylformamide, Multisolvent®		
DI10721000	1 l	●
DI10722500	2,5 l	●
DI10724000	4 l	●
DI1072007E	7 l	●
DI1072025S	25 l	■

ET0015

Ethanol absolute, Multisolvent®		
ET00151000	1 l	●
ET00152500	2,5 l	●
ET00154000	4 l	●
ET0015007E	7 l	●
ET0015025S	25 l	■

ET0013

Ethanol approx. 96%, Multisolvent®		
ET00131000	1 l	●
ET00132500	2,5 l	●
ET00134000	4 l	●
ET0013007E	7 l	●
ET0013025S	25 l	■

AC0155

Ethyl acetate 96% Multisolvent®		
AC01551000	1 l	●
AC01552500	2,5 l	●
AC01554000	4 l	●
AC0155007E	7 l	●
AC0155025S	25 l	■

HE0221

Hexane, fraction from petroleum, Multisolvent®		
HE02211000	1 l	●
HE02212500	2,5 l	●
HE02214000	4 l	●
HE0221007E	7 l	●
HE0221025S	25 l	■

HE0234

n-Hexane, 96%, Multisolvent®		
HE02341000	1 l	●
HE02342500	2,5 l	●
HE02344000	4 l	●
HE0234007E	7 l	●
HE0234025S	25 l	■

IS0122

Isohexane, Multisolvent®		
IS01221000	1 l	●
IS01222500	2,5 l	●

ME0315

Methanol, Multisolvent®		
ME03151000	1 l	●
ME03152500	2,5 l	●
ME03154000	4 l	●
ME0315007E	7 l	●
ME0315025S	25 l	■

ET0095

Petroleum ether, Multisolvent®, boiling range 40-60°C		
ET00951000	1 l	●
ET00952500	2,5 l	●
ET00954000	4 l	●
ET0095007E	7 l	●
ET0095025S	25 l	■

AL0321

2-Propanol, Multisolvent®		
AL03211000	1 l	●
AL03212500	2,5 l	●
AL03214000	4 l	●
AL0321007E	7 l	●
AL0321025S	25 l	■

TE0127

Tetrachloroethene, Multisolvent®		
TE01271000	1 l	●

TE0228

Tetrahydrofuran, Multisolvent®, GPC grade, stabilized with 250 ppm of 2,6-Di-tert-butyl- 4-methylphenol (BHT)		
TE02281000	1 l	●
TE02282500	2,5 l	●
TE02284000	4 l	●
TE0228007E	7 l	●
TE0228025S	25 l	■

TO0085

Toluene, Multisolvent®		
TO00851000	1 l	●
TO00852500	2,5 l	●
TO00854000	4 l	●
TO0085007E	7 l	●
TO0085025S	25 l	■

XI0059

Xylene, mixture of isomers, Multisolvent®		
XI00591000	1 l	●
XI00592500	2,5 l	●
XI0059007E	7 l	●
XI0059025S	25 l	■