

## Can your solvent take the pressure? New Fisher Chemical UHPLC Gradient Grade Solvents can!

- Acetonitrile
- Methanol
- Water



# Fisher Chemical Solvents for UHPLC Gradient Grade Analysis

## New Solvents

For over 40 years, we have been producing a full range of Fisher Chemical high purity solvents that set the standard for high sensitivity and provide accurate, reproducible, high resolution analytical separations.

We have raised the bar by introducing a unique range of UHPLC Gradient Grade Solvents.

Our solvents have an extraordinarily low solvent filtration of 0.1 µm, ensuring low baseline noise and reducing pump blockages. Perfect for those working at high pressure, where high sensitivity and a fast run rate are key to successful analysis.

In addition to a low filtration, our solvents display a remarkably high UV transmission rate making them the ideal solvent for UHPLC applications using UV detection.

## SOLVENTS KEY FEATURES

- Outstanding high UV transmission
- Interference free, low baseline noise at 210 nm and 254 nm
- Low acidity & alkalinity level
- Lot-to-lot consistency
- Filtered to 0.1 µm

## Fisher Chemical Solvents UHPLC Gradient Grade

Maximum sensitivity and resolution for high speed, high throughput applications

FISHER CHEMICAL SOLVENTS FOR UHPLC GRADIENT GRADE ANALYSIS			
CATALOG NUMBER	PRODUCT DESCRIPTION	PACK SIZE	PRICE SEK*
11317080	Acetonitrile, for UHPLC gradient grade analysis	1 L	310,-
11413343	Acetonitrile, for UHPLC gradient grade analysis	2.5 L	643,-
11357080	Methanol, for UHPLC gradient grade analysis	1 L	189,-
11493403	Methanol, for UHPLC gradient grade analysis	2.5 L	318,-
11307090	Water, for UHPLC gradient grade analysis	1 L	137,-
11453463	Water, for UHPLC gradient grade analysis	2.5 L	171,-



# PRODUCT SPECIFICATION

## A/0650 ACETONITRILE FOR UHPLC GRADIENT GRADE

Assay (GC)	>99.9%
Acidity	<0.0002 meq/g
Alkalinity	<0.0002 meq/g
Water	<0.01 %
Residue after evaporation	<1 ppm
Gradient analysis (max.eluted peak) 210 nm	<2 mAU
Gradient analysis (max.eluted peak) 220 nm	<0.1 mAU
Gradient drift at 220 nm	<8 mAU
Absorbance at 195 nm	<0.1 A.U
Absorbance at 200 nm	<0.05 A.U
Absorbance at 210 nm	<0.02 A.U
Absorbance at 220 nm	<0.01 A.U
Absorbance at 230 nm	<0.005 A.U
Absorbance at 240 nm	<0.005 A.U
Absorbance at 250 nm	<0.005 A.U
Filtered to	0.1 µm

## M/4070 METHANOL FOR UHPLC GRADIENT GRADE

Assay ( GC)	>99.9%
Acidity	<0.0002 meq/g
Alkalinity	<0.0001 meq/g
Water	<0.02 %
Residue after evaporation	<1 ppm
Gradient analysis (max.eluted peak) 254 nm	<0.1 mAU
Absorbance of the largest eluted peak at 220nm	<0.1 mAU
Gradient drift at 220 nm	<150 mAU
Absorbance at 210 nm	<0.2 A.U
Absorbance at 220 nm	<0.1 A.U
Absorbance at 230 nm	<0.05 A.U
Absorbance at 240 nm	<0.01 A.U
Absorbance at 250 nm	<0.005 A.U
Absorbance at 260 nm	<0.005 A.U
Filtered to	0.1 µm

## W/0120 WATER FOR UHPLC GRADIENT GRADE

Conductivity	<1 µ siemens
Residue after evaporation	<1 ppm
Gradient analysis (max.eluted peak) 220 nm	<0.1 mAU
Gradient analysis (max.eluted peak) 254 nm	<0.1 mAU
Absorbance at 210 nm	<0.2 A.U
Absorbance at 220 nm	<0.1 A.U
Absorbance at 230 nm	<0.05 A.U
Absorbance at 240 nm	<0.01 A.U
Absorbance at 250 nm	<0.005 A.U
Absorbance at 260 nm	<0.005 A.U
Filtered to	0.1 µm



# Fisher Chemical Solvents Selection Guide

PRODUCT DESCRIPTION	SIZE	HPLC GRADE	HPLC GRADIENT GRADE	ADVANCED HPLC GRADE	UHPLC GRADIENT GRADE	LC-MS	OPTIMA LC-MS
<b>ACETONITRILE</b>	500 ml	-	-	-	-	-	A955-500
	1 L	10754361	10794741	-	-	A/0638/15	11469292
	1 L safety bottle	-	-	A/0632/PB15	1131780	-	-
	2.5 L	10473493	11483493	-	-	A/0638/17	11479292
	2.5 L safety bottle	11433343	11443343	10629112	11413343	-	-
	4 L	-	-	-	-	-	A955-4
	5 L	10181460	10500911	-	-	-	-
<b>METHANOL</b>	500 ml	-	-	-	-	-	A456-500
	1 L	11433413	10010280	-	-	M/4062/15	11489292
	1 L safety bottle	-	-	M/4060/PB15	11357080	-	-
	2.5 L	11422864	11463413	-	-	M/4062/17	11499292
	2.5 L safety bottle	11443413	11442864	11452864	11493403	-	-
	4 L	-	-	-	-	-	A456-4
	5 L	-	10487322	-	-	-	-
<b>WATER</b>	500 ml	-	-	-	-	-	W6-500
	1 L	10367171	10367171	-	-	10434902	11409302
	1 L safety bottle	-	-	W/0110/PB15	W/0120/PB15	-	-
	2.5 L	11463463	11463463	-	-	11443463	11419302
	2.5 L safety bottle	10257243	10257243	11468922	W/0120/PB17	-	-
	4 L	-	-	-	-	-	W6-4
	5 L	-	-	-	-	-	-
<b>ISOPROPANOL (IPA)</b>	500 ml	-	-	-	-	-	A461-500
	1 L	11483433	-	-	-	-	11429302
	1 L safety bottle	-	-	-	-	-	-
	2.5 L	11493433	11403443	-	-	-	11439302
	2.5 L safety bottle	11443633	-	-	-	-	-
	4 L	-	-	-	-	-	A461-4
	5 L	-	-	-	-	-	-
<b>Filtered to</b>	<b>0.2 µm</b>	<b>0.2 µm</b>	<b>0.2 µm</b>	<b>0.2 µm</b>	<b>0.1 µm</b>	<b>0.2 µm</b>	<b>0.2 µm</b>

Want to know more?  
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\* Prices are valid until December 31st, 2012

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