

# New and Improved Optima® LC/MS Solvents

- **Less impurities:** Innovative LC-UV gradient test ensures that UV-absorbing impurities will not interfere with your analysis
- **Less particulates:**  $\leq 0.1$  micron filtration protects columns and components from clogging
- Formulated for **UHPLC-UV applications**

## Improved Performance

Optima LC/MS solvents now lead the industry with an unprecedented LC-UV gradient suitability specification that was developed by using advanced UHPLC technology coupled with PDA detection optics. As a result, each lot of Optima LC/MS solvent is screened for UV-absorbing contaminants at every wavelength in the 200-400nm range to afford smooth baselines, reduced interferences, and increased confidence in your analyses.

In addition, Optima LC/MS solvents are formulated for UHPLC-UV which requires the mobile phase to be free of contaminating particulates and UV-absorbing impurities. Our high purity solvents are submicron filtered ( $0.1 \mu\text{m}$ ) to minimize troublesome particles that may interfere with UHPLC system performance and provide an ideal solution to prepare cleaner, particle-free, mobile phase blends for UHPLC.

## Competitive Advantage

- Optimized for UHPLC-UV. Novel gradient elution test in the full UV range (200-400nm) ensures **extremely low levels of UV-absorbing impurities**.
- Sub-micron filtration of Optima LC/MS solvents prolongs the life and effectiveness of UHPLC components such as inlet filters, check valves & seals, injectors and columns by **reducing instrument downtime and maintenance cost**.
- Filtration feature provides **very low particle content for maximum purity**.

### Grade:

Optima LC/MS  
Suitable for UHPLC-UV

### New Specifications:

HPLC/UHPLC-UV Gradient Suitability Test  
Peak Height with PDA (200-400nm): 2 mAU max  
Filter Size:  $0.1 \mu\text{m}$  (see below)

Acetonitrile		
Cat. No.	Pack Size	Filter Size
FSBA955-500	500 mL	$0.1 \mu\text{m}$ filter
FSBA955-1	1 L	$0.1 \mu\text{m}$ filter
FSBA955-212	2.5 L	$0.1 \mu\text{m}$ filter
FSBA955-4	4 L	$0.1 \mu\text{m}$ filter

Methanol		
Cat. No.	Pack Size	Filter Size
FSBA456-500	500 mL	$0.1 \mu\text{m}$ filter
FSBA456-1	1 L	$0.1 \mu\text{m}$ filter
FSBA456-212	2.5 L	$0.1 \mu\text{m}$ filter
FSBA456-4	4 L	$0.1 \mu\text{m}$ filter

Water		
Cat. No.	Pack Size	Filter Size
FSBW6-500	500 mL	$0.03 \mu\text{m}$ filter
FSBW6-1	1 L	$0.03 \mu\text{m}$ filter
FSBW6-212	2.5 L	$0.03 \mu\text{m}$ filter
FSBW6-4	4 L	$0.03 \mu\text{m}$ filter



### In Australia:

For customer service, call 1300-735-292  
To fax an order, use 1800-067-639  
To email an order, [ordersau@thermofisher.com](mailto:ordersau@thermofisher.com)

Find out more at:

[thermofisher.com.au](http://thermofisher.com.au)

### In New Zealand:

For customer service, call 0800-933-966  
To fax an order, use 0800-329-246  
To email an order, [ordersnz@thermofisher.com](mailto:ordersnz@thermofisher.com)

Find out more at:

[thermofisher.co.nz](http://thermofisher.co.nz)

**ThermoFisher**  
SCIENTIFIC