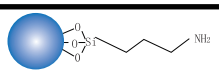
Ultisil™ HILIC Column (HILIC Silica&HILIC NH_2)

HILIC (Hydrophilic Interaction Liquid Chromatography) is a separation mode achieved through the partitioning of polar solutes from high concentration, water-miscible, organic mobile phase into hydrophilic surface environment.

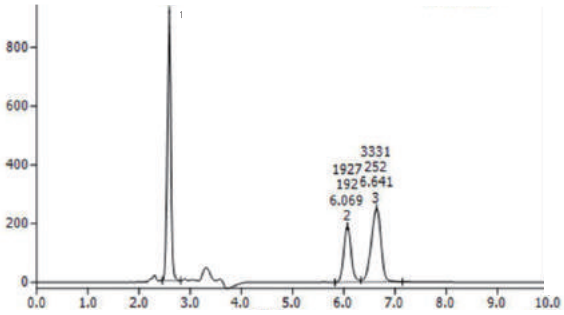
Ultisil™ Hilic Silica

Structural Formula	
pH Range	2.0-8.0
Particle Size	3 μm, 5 μm, 10 μm
Surface Area(m^2/g)	320(120 Å)
Carbon Loading(%)	N/A
USP List	L3
Endcapped	No

Ultisil™ HILIC-NH_2

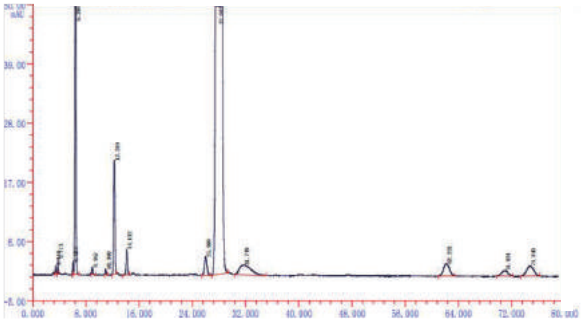
Structural Formula	
pH Range	2.0-8.0
Particle Size	3 μm, 5 μm,10 μm
Surface Area(m^2/g)	320(120 Å)
Carbon Loading(%)	4(120 Å)
USP List	L8
Endcapped	No

Glutamine (Gln)



Column:	Ultisil™ HILIC Silica, 4.6 ×250 mm, 5 μm
Mobile Phase:	Acetonitrile/0.01mol/L ammonium acetate =65/35
Flow Rate:	1.0 mL/min
Detector:	215 nm
Temperature:	Ambient
Injection Volume:	20 μL
Samples:	Glutamine, chloropropylamine glutamine, dipeptiven

Alanyl Glutamine Injection



Column:	Ultisil™ HILIC-NH_2, 4.6 ×250 mm, 5μm
Mobile Phase:	Acetonitrile/0.05 mol/L kH_2PO_3(adjust pH 4.0 with H_3PO_4) =65/35
Flow Rate:	0.7 mL/min
Detector:	215 nm
Temperature:	30°C
Injection Volume:	20 μL
Note:	Use the mobile phase to fully activate the column before testing the sample on the column

Ordering Information

Ultisil™ HILIC Silica

Particle size	Column ID (mm)	Column Length (mm)			Guard Cartridge	Guard Column Holder
		150	200	250	10mm length	
3 μm 120 Å	4.6	00228-21041	00228-21042	00228-21043	00808-03026	00808-01101
5 μm 120 Å	4.6	00228-31041	00228-31042	00228-31043	00808-04044	00808-01101
10 μm 120 Å	4.6	00228-41041	00228-41042	00228-41043	00808-05016	00808-01101

Ultisil™ HILIC NH_2

Particle size	Column ID (mm)	Column Length (mm)			Guard Cartridge	Guard Column Holder
		150	250	300	10mm length	
3 μm120 Å	4.6	00231-21041	00231-21042	00231-21043	00808-03025	00808-01101
5 μm 120 Å	4.6	00231-31041	00231-31042	00231-31043	00808-04047	00808-01101
10 μm 120 Å	4.6	00231-41041	00231-41042	00231-41043	00808-05017	00808-01101

Don't see your needed size or format? Contact Welch or your local distributor for other dimensions.