

UV ANALYSIS OF ACRYLAMIDE, METHACRYLIC ACID AND METHACRYLAMIDE USING AN XBRIDGE AMIDE COLUMN

HPLC CONDITIONS

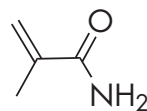
Column:	XBridge™ Amide, 3.5 μm, 4.6 x 250 mm
Mobile Phase:	95/2.5/2.5 acetonitrile/isopropyl alcohol/water with 5 mM ammonium acetate, pH 9.0
Flow Rate:	1.2 mL/min
Injection Volume:	40.0 μL
Sample Concentration:	30 μg/mL
Column Temperature:	25 °C
Needle Wash:	95/5 acetonitrile/water
Seal Wash:	50:50 acetonitrile/water
UV Wavelength:	210 nm
Sampling Rate:	20 Hz
Filter Time Constant:	0.2 sec
Instrument:	Alliance® System with 2998 PDA

SAMPLE EXTRACTION PROCEDURE

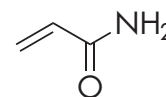
1. Dilute with 50:50 acetonitrile/water.
2. Filter using 0.45 μm PVDF syringe filter.

STRUCTURES

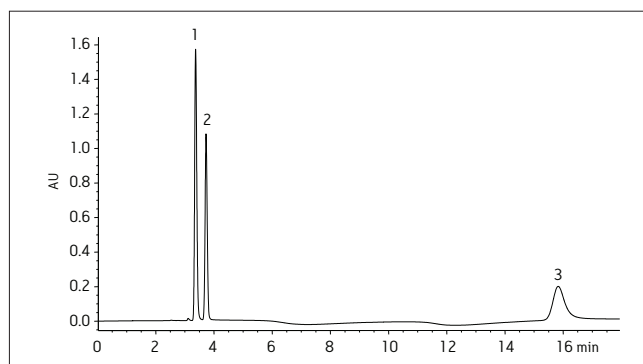
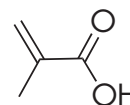
1. Methacrylamide



2. Acrylamide



3. Methacrylic acid



ON-LINE ORDERING INFORMATION

Description	Part Number
XBridge Amide Column, 3.5 μm, 4.6 x 250 mm	186004870
Acrodisc® LC 13 mm, 0.45 μm, 100/pkg	WAT200512
12 x 32 LCMS Certified Glass Screw Neck Vial	600000751CV

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