



# ACE<sup>®</sup> NH<sub>2</sub>

Highly Robust Amino UHPLC / HPLC Columns



- Proprietary bonding technology provides high robustness with excellent column lifetimes
- Usable in RP, NP, weak anion-exchange and HILIC modes
- Ultra-inert, high efficiency 1.7µm, 3µm and 5µm particles for optimum peak shape
- Highly reproducible stationary phase batch-to-batch and column-to-column
- Ideal for the analysis of sugars

# ACE® NH<sub>2</sub> Product Availability and Specification

Phase	Functional Group	Endcapped	Particle Size (µm)	Pore Size (Å)	Surface Area (m <sup>2</sup> /g)	Carbon Load (%)	Recommended pH Range	USP Listing
ACE NH <sub>2</sub>	Proprietary Amino Propyl	No	1.7, 3, 5	100	300	4.0	2.0 - 7.0 <sup>a</sup>	L8

<sup>a</sup> For optimum column lifetime, a pH range of 2 - 7 is recommended. To increase column lifetime, organic buffers, low buffer concentrations, high % organic solvent and low temperatures must be considered. Further information is contained within "A Guide to HPLC and LC-MS Buffer Selection" by John Dolan – please contact your distributor to request your FREE copy or visit [www.ace-hplc.com](http://www.ace-hplc.com).

To extend column lifetime under HPLC conditions (up to 5000 psi / 350 bar), ACE guard cartridges or ACE pre-column filters (p/n ACE-CS210 and p/n ACE-CS310) are recommended. For the guard system a guard cartridge holder (H0001) and coupler (C0001) are also required. To extend column lifetime under UHPLC conditions (up to 15000 psi / 1000 bar) ACE UHPLC pre-column filters (p/n EXL-PCF10) are recommended.

For HPLC column connections up to 5000 psi / 350 bar, PEEK™ fingertight fittings (p/n ACE-CC10) are recommended. For UHPLC column connections up to 25000 psi, reusable fittings (p/n EXL-CC10) are recommended.

For further details please contact your distributor or visit [www.ace-hplc.com](http://www.ace-hplc.com)

## ACE Excel 1.7µm NH<sub>2</sub> UHPLC / HPLC Columns

(supplied in dual compatible UHPLC / HPLC "Excel" hardware with 1000bar / 15000psi pressure limit)

Column Diameter	Column Length					
	20mm	30mm	35mm	50mm	75mm	100mm
2.1mm	EXL-1714-0202U	EXL-1714-0302U	EXL-1714-3502U	EXL-1714-0502U	EXL-1714-7502U	EXL-1714-1002U
3.0mm	EXL-1714-0203U	EXL-1714-0303U	EXL-1714-3503U	EXL-1714-0503U	EXL-1714-7503U	EXL-1714-1003U

## ACE Excel 3µm NH<sub>2</sub> UHPLC / HPLC Columns

(supplied in dual compatible UHPLC / HPLC "Excel" hardware with 1000bar / 15000psi pressure limit)

Column Diameter	Column Length								
	20mm	30mm	35mm	50mm	75mm	100mm	125mm	150mm	250mm
2.1mm	EXL-1114-0202U	EXL-1114-0302U	EXL-1114-3502U	EXL-1114-0502U	EXL-1114-7502U	EXL-1114-1002U	EXL-1114-1202U	EXL-1114-1502U	EXL-1114-2502U
3.0mm	EXL-1114-0203U	EXL-1114-0303U	EXL-1114-3503U	EXL-1114-0503U	EXL-1114-7503U	EXL-1114-1003U	EXL-1114-1203U	EXL-1114-1503U	EXL-1114-2503U
4.6mm	EXL-1114-0246U	EXL-1114-0346U	EXL-1114-3546U	EXL-1114-0546U	EXL-1114-7546U	EXL-1114-1046U	EXL-1114-1246U	EXL-1114-1546U	EXL-1114-2546U

## ACE Excel 5µm NH<sub>2</sub> UHPLC / HPLC Columns

(supplied in dual compatible UHPLC / HPLC "Excel" hardware with 1000bar / 15000psi pressure limit)

Column Diameter	Column Length								
	20mm	30mm	35mm	50mm	75mm	100mm	125mm	150mm	250mm
2.1mm	EXL-1214-0202U	EXL-1214-0302U	EXL-1214-3502U	EXL-1214-0502U	EXL-1214-7502U	EXL-1214-1002U	EXL-1214-1202U	EXL-1214-1502U	EXL-1214-2502U
3.0mm	EXL-1214-0203U	EXL-1214-0303U	EXL-1214-3503U	EXL-1214-0503U	EXL-1214-7503U	EXL-1214-1003U	EXL-1214-1203U	EXL-1214-1503U	EXL-1214-2503U
4.6mm	EXL-1214-0246U	EXL-1214-0346U	EXL-1214-3546U	EXL-1214-0546U	EXL-1214-7546U	EXL-1214-1046U	EXL-1214-1246U	EXL-1214-1546U	EXL-1214-2546U

## ACE Excel 5µm NH<sub>2</sub> Semi-Prep and Preparative HPLC Columns

Column Diameter	Column Length					
	50mm	75mm	100mm	125mm	150mm	250mm
7.75mm	ACE-1214-0508	ACE-1214-7508	ACE-1214-1008	ACE-1214-1208	ACE-1214-1508	ACE-1214-2508
10.0mm	ACE-1214-0510	ACE-1214-7510	ACE-1214-1010	ACE-1214-1210	ACE-1214-1510	ACE-1214-2510
21.2mm	ACE-1214-0520	ACE-1214-7520	ACE-1214-1020	ACE-1214-1220	ACE-1214-1520	ACE-1214-2520

ACE products are available through our international distributor network

