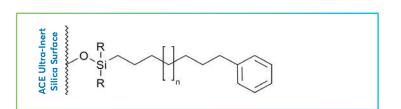
# **ACE C18-AR**

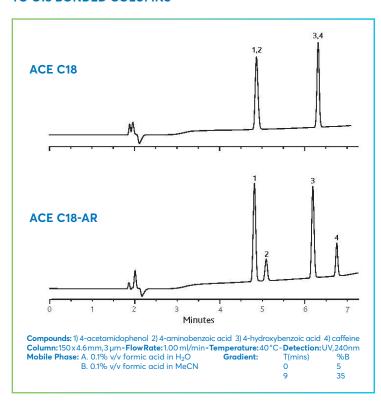
- Combines the C18 and phenyl functionalities
- Hydrophobicity, stability and low bleed characteristics of a C18 combined with the  $\pi$ - $\pi$  interactions provided by a phenyl phase
- Unique selectivity phase can separate mixtures that cannot be readily separated by C18 or phenyl phases alone



## **PHASE SPECIFICATIONS**

Phase	USP Listing	Functional group	Endcapped	Particle size (µm)	Pore size (Å)	Surface area (m²/g)	Carbon load (%)		100% aqueous compatibility
		Octadecyl with integral							
C18-AR	L1	phenyl group	Yes	1.7, 2, 3, 5, 10	100	300	15.5	2-8	Yes

# **ACE C18-AR SHOWS ALTERNATIVE SELECTIVITY TO C18 BONDED COLUMNS**





### **RECOMMENDED APPLICATIONS**

- Analytes with  $\pi$ -bonding, conjugated systems and electronwithdrawing groups such as halogens, nitro groups, ketones, esters and acids
- Stereoisomers, steroids, substituted aromatics and sulphur containing compounds
- Applications where C18 does not provide adequate separation
- Applications where conventional phenyl phases provide insufficient retention, poor stability, or significant bleed

### **SEPARATION OF ANALGESICS**

