VDSpher® PUR 100

C18 / C8 / C4 / Phenyl / CN / NH2 / Diol / SIL

Spherical silica gel of ultra high purity for analytical to preparative chromatography.
Excellent mechanical and chemical stability.
Available in different modifications:

Modi-fication	Particle Sizes in µm						Carbon Content %	End-capping	Functiona-lization	pH-Range
	2.5	3.0	3.5	4.0	5.0	10				
C18-NE		o			o		16.3	no	mono	2-7.5
C18-E	o	o	o	o	o	o	16.8	liquid	mono	2-7.5
C18-SE	o	o	o	o	o		17.0	gas	mono	2-9
C18-M	o	o	o	o	o		17.5	no	tri	2-8
C18-M-E		o	o	o	o	o	19.0	liquid	tri	2-8
C18-M-SE	o	o	o	o	o	o	20.0	gas	tri	1-9
C18-H	o	o	o	o	o	o	11.5	polar	mono	2-7.5
C18-LC-H	o			o			13.5	polar	mono	2-7.5
C8-NE					o		9.9	no	mono	2-7.5
C8-E		o	o	o	o	o	10.0	liquid	mono	2-7.5
C8-SE	o	o	o		o		10.4	gas	mono	2-9
C8-M					o		8.2	no	tri	2-8
C8-M-E					o		10.7	liquid	tri	2-8
C8-M-SE	o	o		o	o		11.0	gas	tri	2-9
C8-H		o			o		8.5	polar	mono	2-7.5
C4-E		o			o		7.0	liquid	mono	2-7.5
C4-SE					o		7.1	gas	mono	2-9
C4-M-SE	o						7.3	gas	tri	2-9
Phenyl-E		o	o	o	o		10.5	liquid	mono	2-7.5
Phenyl-SE	o	o		o	o		10.7	gas	mono	2-9
CN-E		o	o	o	o		6.5	liquid	tri	2-7.5
CN-SE	o			o	o		7.0	gas	tri	2-8
NH2		o	o	o	o		4.0	no	tri	2-7.5
NH2-SE					o		5.0	gas	tri	2-7.5
Diol		o	o	o	o		4.5	no	tri	2-8
SIL		o	o	o	o	o	-	no	-	2-8

Pore Size:	Å	100 +/- 10
Surface Area:	m^2/g	320 +/- 10
Pore Volume:	ml/g	0.8 +/- 0.1
Si Purity:	%	99.995
Density:	g/ml	0.45
Metal Content:		
Na	ppm	<10
Mg, Al, Ca, Fe, Zr, Ti	ppm	<5

VDSpher®

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