VDS optilab
Chromatographie
Technik GmbH

VDSpher® 100 (Classic)

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

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

Modification	Particle Sizes 5 µm	10 µm	Carbon Content %	End-capping	Functiona-lization	pH-Range
C18-E	o	o	16.8	liquid	mono	2 - 7.5
C18-SE	o		17.0	gas	mono	2 - 9
C18-M	o		17.5	no	tri	2 - 8
C18-M-E	o	o	19.0	liquid	tri	2 - 8
C18-M-SE	o	o	20.0	gas	tri	1 - 9
C18-H	o	o	11.5	polar	mono	2 - 7.5
C8-NE	o		9.9	no	mono	2 - 7.5
C8-E	o	o	10.0	liquid	mono	2 - 7.5
C8-SE	o		10.4	gas	mono	2 - 9
C8-M	o		8.2	no	tri	2 - 8
C8-H	o		11.0	polar	tri	2 - 9
C4-E	o		7.0	liquid	mono	2 - 7.5
C4-SE	o		7.1	gas	mono	2 - 9
Phenyl-E	o		10.5	liquid	mono	2 - 7.5
CN-E	o		6.5	liquid	tri	2 - 7.5
NH2	o		4.0	no	tri	2 - 7.5
DAP	o		4.5	no	tri	2 - 7.5
Diol	o		4.5	no	tri	2 - 8
SIL	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:	%	99.97
Density:	g/ml	0.45
Metal Content:	ppm	<100

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Larger particel sizes on request.

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Chromatographie
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Wiesenweg 11a
D-10365 Berlin
Germany

Phone: +49 (0)30 55153901
E-mail: info@vdsoptilab.de
Website: www.vdsoptilab.de