VDS optilab
Chromatographie
Technik GmbH

# VDSpher® OptiAqua (Classic)
# VDSpher® OptiAqua PUR

## C18 / C8 / C4

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

**OptiAqua Classic**

| Modification | Particle Size 5 µm | Particle Size 10 µm | Carbon Content % | End-capping | Functiona-lization | pH-Range |
|---|---|---|---|---|---|---|
| C18 | o | o | 13.0 | polar | mono | 2 - 8 |
| C8 | o | | 8.1 | polar | mono | 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 |

**OptiAqua PUR**

| Modification | Particle Size 5 µm | Particle Size 10 µm | Carbon Content % | End-capping | Functiona-lization | pH-Range |
|---|---|---|---|---|---|---|
| C18 | o | o | 13.0 | polar | mono | 2 - 8 |
| C8 | o | | 8.1 | polar | mono | 2 - 8 |
| C4 | o | | 6.5 | polar | mono | 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 |

Larger particel sizes on request.

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