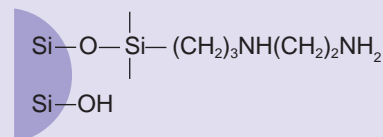


## VertiPak™ PSA

- VertiPak™ PSA (Primary, Secondary Amine) SPE is dual purpose sorbent that can act both as a weak anion exchanger and polar phase.
- As a weak anion exchanger, PSA has 2 amine groups that offer higher ionic capacity than NH<sub>2</sub>. PSA also is a very good bidentate ligand, excellent for chelation with a number of metal ions. As a polar sorbent, the PSA sorbent can hydrogen bond with any molecule containing an -OH, -NH or -SH functional group when conditioned with a non-polar solvent such as hexane.
- Typical applications include multiresidue pesticides, PAH.
- Tube format is available in 7 tube sizes.
- Cartridge format is available in 300mg and 600mg size.
- Tubes or cartridges are packaged in zip sealing bag protective from moisture and light.
- Includes a Performance report including the QC results, lot chromatogram and lot recovery test.



### Chemical structure



VertiPak™PSA (Ethylenediamine-N-propyl) silane, covalently bonded to the surface of a silica particle.

### Specifications

Phase	PSA (Ethylenediamine-N-propyl)
Base	Irregular-shaped Silica
Particle Size (μm) <sup>1</sup>	45-65
Pore Size (Å) <sup>2</sup>	60-80
Surface Area (m <sup>2</sup> /g)	450-550
Carbon Load (%)	7
Endcap	No
pH Stability	2-9

### VertiPak™ PSA Tubes

Bed Weight	Tube Size	QTY	Part No.
50mg	1mL	100	0107-0236
50mg	3mL	50	0107-0245
100mg	1mL	100	0107-0336
100mg	3mL	50	0107-0345
100mg	10mL	30	0107-0364
200mg	3mL	50	0107-0445
200mg	10mL	30	0107-0464
500mg	3mL	50	0107-0645
500mg	6mL	30	0107-0654
500mg	10mL	30	0107-0664
1,000mg	6mL	30	0107-0954
1,000mg	12mL	30	0107-0964
2,000mg	12mL	30	0107-1074
5,000mg	35mL	20	0107-1282
10,000mg	60mL	16	0107-1391

### VertiPak™ PSA Cartridges

Bed Weight	QTY	Part No.
300mg	25	0107-0503
300mg	50	0107-0505
300mg	100	0107-0506
600mg	25	0107-0703
600mg	50	0107-0705
600mg	100	0107-0706

<sup>1,2</sup> VertiPak™ PSA-LP with particle size of 60-120μm and pore size of 120-140 Å are available upon request.