

VertiBond™ Alumina Capillary Columns

- Deactivated Aluminum oxide
- PLOT columns
- High temperature range
- High efficiency, high inertness columns

VertiBond™ Alumina column contains deactivated Aluminum oxide stationary phase. This PLOT column ideals for light hydrocarbons in the chemical and petrochemical industry.

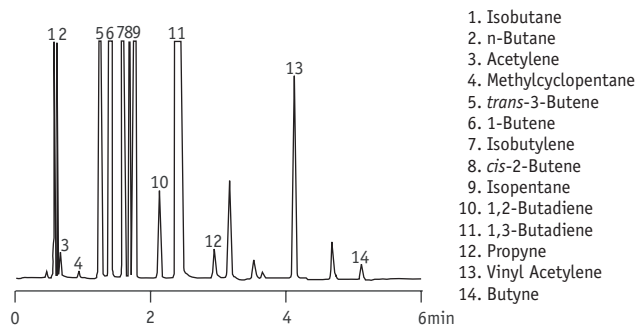
VertiBond™ Alumina Specifications

Phase:	Deactivated Aluminum oxide
Polarity:	
USP Designation:	n/a
Ideal for:	Light hydrocarbon analysis, separation of C1-C4 saturated and unsaturated hydrocarbons

VertiBond™ Alumina Specifications

Restek	Rt-AluminaPLOT
Agilent	GS-Alumina
Supelco	Alumina-PLOT
Alltech	AT-Alumina
Varian	CP-AL2C03/Na2S04

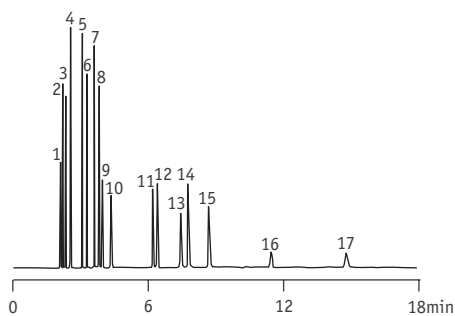
Crude 1,3-Butadiene



1. Isobutane
2. n-Butane
3. Acetylene
4. Methylcyclopentane
5. *trans*-3-Butene
6. 1-Butene
7. Isobutylene
8. *cis*-2-Butene
9. Isopentane
10. 1,2-Butadiene
11. 1,3-Butadiene
12. Propyne
13. Vinyl Acetylene
14. Butyne

Column: VertiBond™ Alumina, 30m x 0.53mm, 10.00µm
 Temp: 95°C (hold 5 min),
 95°C-130°C at 5°C/min,
 130°C (hold 10 min)
 Injector: 1:10 split ratio at 250°C
 Detector: FID at 250°C
 Carrier Gas: Helium at 6.8mL/min

Crude 1,3-Butadiene



1. Methane
2. Ethane
3. Ethylene
4. Propane
5. Cyclopropane
6. Propylene
7. Isobutane
8. n-butane
9. Propadiene
10. Acetylene
11. *trans*-2-Butene
12. 1-Butene
13. *cis*-2-Butene
14. Isopentane
15. n-Pentane
16. 1,3-Butadiene
17. Propyne

Column: VertiBond™ Alumina,
 50m x 0.53mm, 15.00µm
 Temp: 80°C
 Injector: 50mL gas-tight
 syringe injection
 Detector: FID
 Carrier Gas: Helium 5.6mL/min

Ordering Information

Length (m)	I.D. (mm)	Film (µm)	Temp. (°C)	Part No.
30	0.53	15.00	200/200	0424-5283
50	0.32	8.00	200/200	0424-3244
	0.53	10.00	200/200	0424-5254
		15.00	200/200	0424-5284

