

VertiBond™ Alumina

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 Capillary Columns

Length (m)	I.D. (mm)	Film (µm)	Temp. Limits (°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

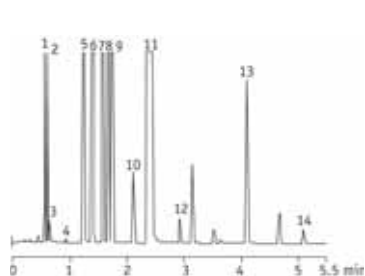
VertiBond™ Alumina Specifications

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

VertiBond™ Alumina equivalent phase

Restek	Rt-AluminaPLOT
Agilent	GS-Alumina
Supelco	Alumina-PLOT
Alltech	AT-Alumina
Varian	CP-AL2C03/NA2S04

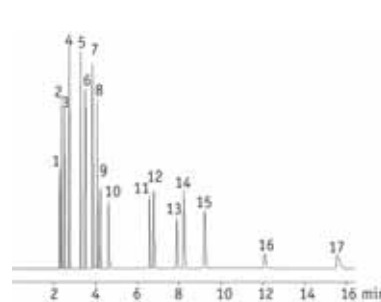
Crude 1,3-Butadiene



- 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
 Part No.: 0424-5283
 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, 10.00µm
 Part No.: 0424-5254
 Temp: 80°C
 Injector: 50µL gas-tight syringe injection
 Detector: FID
 Carrier Gas: Helium 5.6mL/min