

# Refined Butadiene Standard

Column: GS-Alumina  
50 m x 0.53 mm I.D.

P/N: 115-3552

Carrier: Helium, 6.0 mL/min  
(constant flow mode)

Oven: 45°C for 3 min  
6°/min to 195°C  
195°C for 15 min

Injector: 250°C, Split 1:50  
0.5µL injection

Detector: FID, 250°C

Peak ID	Component	Conc (PPM)
1	Acetylene	20.7
2	Propane	19.8
3	Propylene	296
4	Propadiene (allene)	21.1
5	Propyne (methylacetylene)	21.0
6	Cyclopropane	20.0
7	Isobutane	506
8	Butene-1	999
9	Isobutylene	495
10	n-Butane	494
11	1,3-Butadiene	balance
12	trans-2-Butene	442
13	cis-2-Butene	1946
14	1-Butyne (ethylacetylene)	20.2
15	1,2-Butadiene	28.9
16	3-Methyl-1-butene	19.8
17	Isopentane	50.1
18	Pentene-1	29.8
19	n-Pentane	50.1
20	2-Butyne (dimethylacetylene)	150
21	trans-2-Pentene	5.57
22	Isoprene	20.0
23	cis-2-Pentene	13.9
24	trans-1,3-Pentadiene	13.8
25	cis-1,3-Pentadiene	7.73
26	Benzene	20.3
27	Toluene	20.2
28	Dimer (4-vinylcyclohexene-1)	

