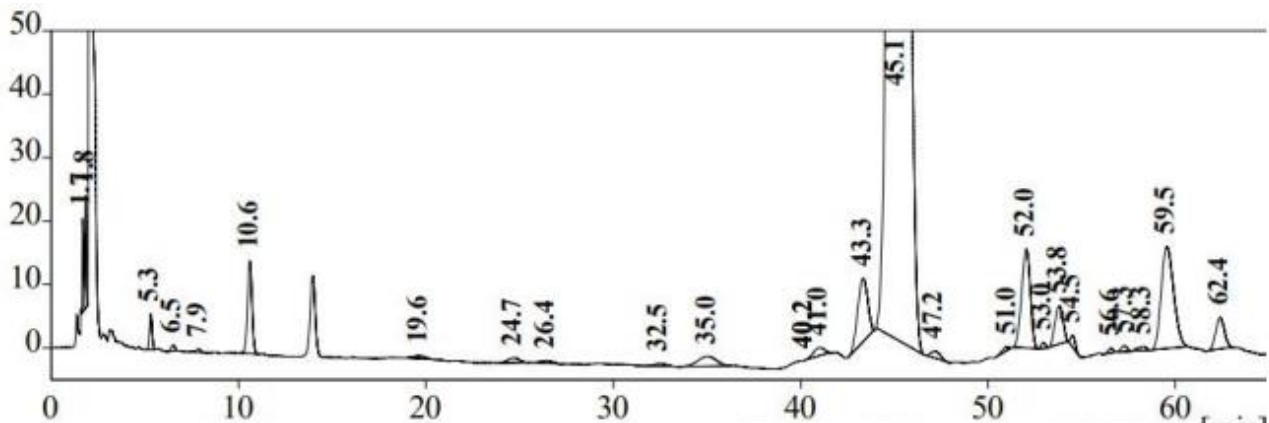


Report on separation and purification of terlipressin by Ultisil LP-C18

Method:

Column	Ultisil AQ-C18 (4.6×150 mm, 5 μm)		
Mobile Phase	Time (min)	Mobile phase A(%)	Mobile phase B(%)
	0	100	0
	35	100	0
	55	0	100
	65	0	100
Detection	210nm		
Temperature	30°C		
Flow Rate	1.4 ml/min		
Injection Volume	50 μL		
Note	/		

Chromatogram and Data:



Unless otherwise stated, the results shown in this test report refer only to this sample tested. The report can not be copied without the permission of Welch Materials, Inc.

Retention time/min	Area	Height	Area %	Height %	Column efficiency	Resolution (USP)	Tailing factor
1.677	69.881	14.722	0.3	2.5	2335		1.481
1.830	81.583	17.737	0.3	3.0	3450	1.167	1.073
5.310	54.602	5.594	0.2	1.0	6644	18.116	1.048
6.503	12.277	0.901	0.0	0.2	4841	3.772	0.873
7.868	8.869	0.543	0.0	0.1	5873	3.489	0.822
10.595	243.481	14.595	0.9	2.5	9319	6.435	0.988
19.612	23.651	0.494	0.1	0.1	3357	10.085	0.994
24.697	32.846	0.747	0.1	0.1	6579	3.965	0.937
26.417	18.395	0.428	0.1	0.1	7028	1.392	1.023
32.470	17.798	0.363	0.1	0.1	8722	4.579	0.962
35.033	107.345	1.585	0.4	0.3	5829	1.593	0.919
40.210	0.004	0.007	0.0	0.0	201539617	5.621	0.625
40.215	0.002	0.008	0.0	0.0	358381763	0.506	1.500
40.998	49.189	1.247	0.2	0.2	19004	1.311	0.907
43.338	369.396	9.947	1.4	1.7	28428	2.116	0.902
45.095	23894.678	470.112	89.4	79.9	17900	1.482	1.212
47.152	38.333	1.058	0.1	0.2	31531	1.711	1.177
51.033	15.748	0.522	0.1	0.1	96504	4.528	0.677
52.043	507.702	15.597	1.9	2.7	55138	1.312	0.922
52.970	14.264	0.880	0.1	0.1	210619	1.378	0.948
53.798	182.322	6.033	0.7	1.0	63711	1.264	0.948
54.507	30.670	1.840	0.1	0.3	200288	1.060	1.266
56.568	13.229	0.711	0.0	0.1	192671	4.123	0.851
57.272	20.862	0.924	0.1	0.2	125841	1.215	0.970
58.292	18.557	0.657	0.1	0.1	80027	1.391	0.797
59.547	743.088	16.089	2.8	2.7	36528	1.216	1.184
62.387	161.309	4.964	0.6	0.8	80774	2.681	1.018

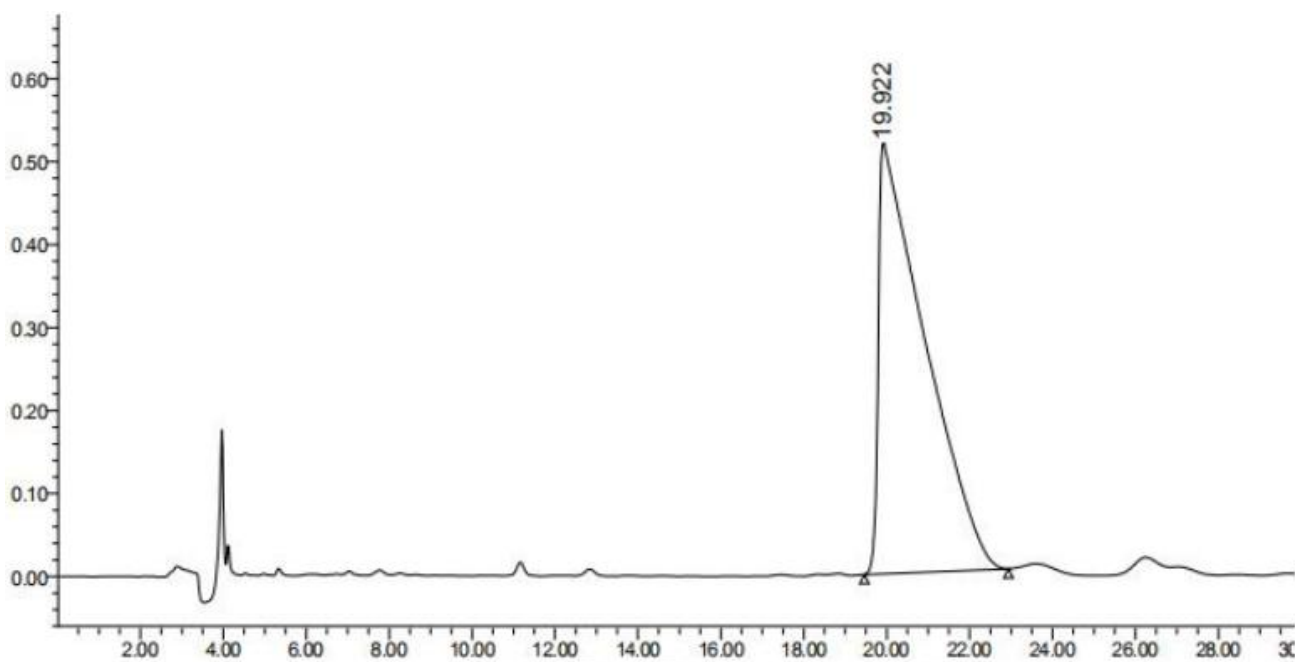
Conclusion:

Using Ultisil AQ-C18 (4.6 × 150 mm, 5 μm), the purity determined under this chromatographic condition meets customer requirements.

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Method:

Column	Ultisil LP-C18 (4.6×250 mm, 5 μm)	
Mobile Phase	0.1% TFA in water	Acetonitrile
	85	15
Detection	225nm	
Temperature	30°C	
Flow Rate	1.0 ml/min	
Injection Volume	150 μL	
Note	/	



Conclusion:

Measured under these chromatographic conditions using Ultisil LP-C18 (4.6 x 250 mm, 5 μm).

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