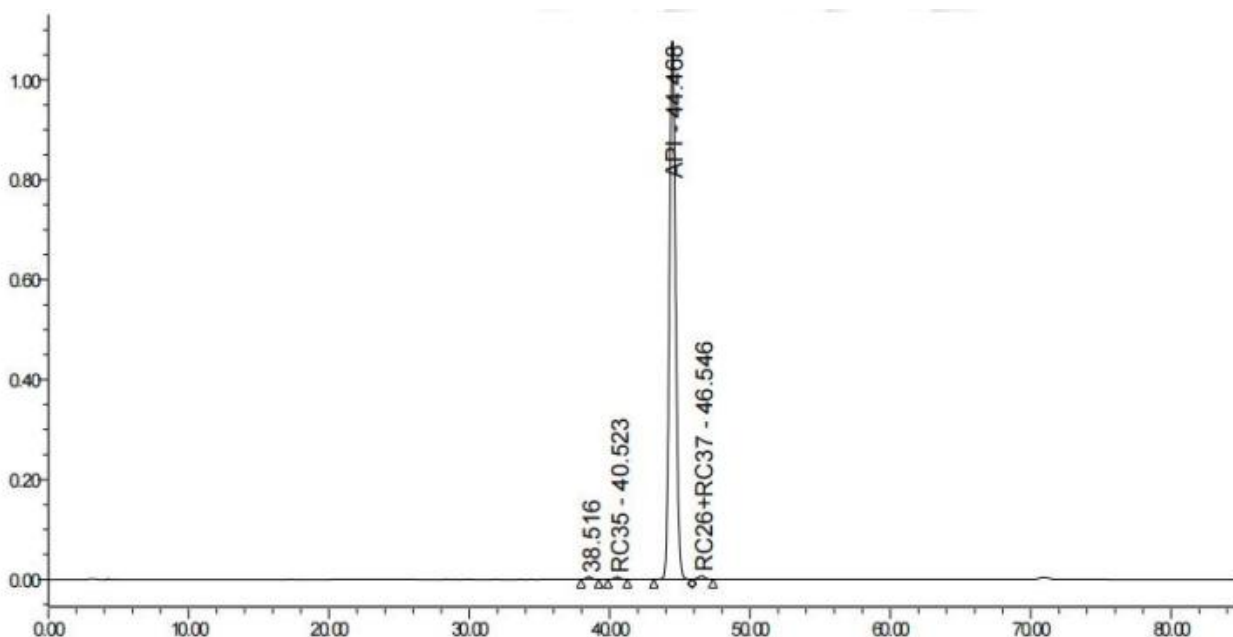


Determination of Posaconazole Related Substances by Ultisil Polar-RP

Method:

Column	Ultisil® Polar-RP (4.6×300mm, 5µm)		
Mobile Phase	Mobile phase A: 10mM sodium dihydrogen phosphate solution (pH=2.1)		
	Mobile phase B: acetonitrile-tetrahydrofuran (95:5)		
	Time (min)	Mobile phase A(%)	Mobile phase B(%)
	0	70	30
	70	60	40
	71	70	30
	80	70	30
Detection	260nm		
Temperature	30°C		
Flow Rate	1.0 ml/min		
Injection Volume	30 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.

Num	Name	Retention time/min	Area	Height	Resolution (USP)	Number of plates	Tailing factor
1		38.516	128555	4624	-	43153	1.07
2	RC35	40.523	122016	4225	2.6	44848	1.04
3	API	44.468	32993516	1076527	4.9	48316	1.09
4	RC26+RC37	46.546	203050	6379	2.5	49958	0.97

Conclusion:

Welch Ultisil® Polar-RP (4.6×300mm, 5µm) was used for determination under this chromatographic condition, which could meet the detection requirements.

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