

Test Report

Sample			
Name	Lornoxicam	Number	W20200601-001
Weight	/	Formulation	/
Receipt Time	2020/06/01	Test Time	2020/06/03-06/04
Description	\		
Test			
Test Item	Related substance		
Standards			
Reference	Provided by customer	Standard Sample	Yes
Instrument			
Type	HPLC	Version	Shimadzu LC-20AD

● **Chromatographic Condition:**

Column	Welch Xtimate® C18(4.6×150mm, 5um)
Mobile Phase	25mmol/L Ammonium dihydrogen phosphate solution/methanol =58/42
Wavelength	290nm
Temperature	30°C
Flow Rate	1.5 mL/min
Injection Volume	20 µl
Notes	/

● **Preparation of Mobile Phase:**

Unless otherwise stated, the results shown in this test report refer only to this sample tested.

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25mmol/L ammonium dihydrogen phosphate solution: take 2.875g of ammonium dihydrogen phosphate, then dissolve it with 1000mL water. Adjust pH to 7.3 with triethylamine, then mix it well and filter it to obtain;

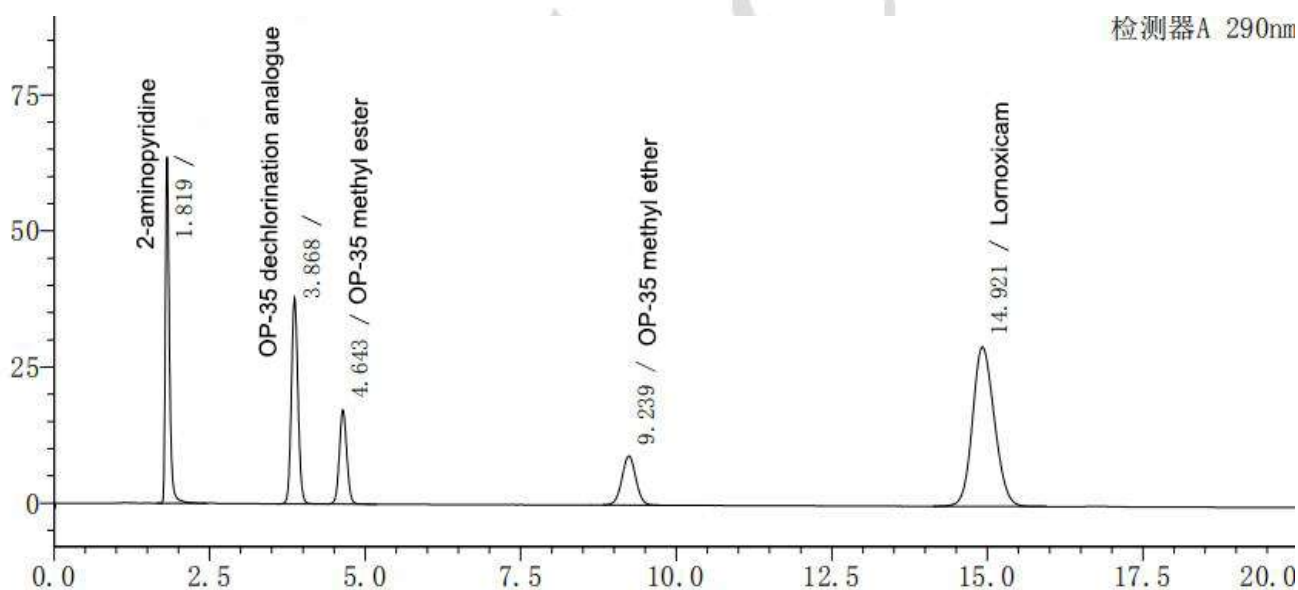
Take 580mL ammonium dihydrogen phosphate solution and 420mL methanol, mix them well, degas to obtain.

● Preparation of Sample Solution:

Mixed standard solution: take an appropriate amount of samples provided by customers, then add mobile phase to dissolve and dilute the solution containing 10ug/mL 2-aminopyridine, 40ug/mL OP-35 dechlorination analogue, 10ug/mL OP-35 methyl ester, 20ug/mL OP-35 methyl ether and 100ug/mL lornoxicam.

● Chromatogram and Data:

1. Mixed standards of Solution



#	RT	Area	Height	Plates (USP)	Tailing factor	Resolution (USP)
1	1.819	283674	63599	3188	1.408	--
2	3.868	279277	37817	5700	1.075	12.278
3	4.643	143939	17252	6618	1.071	3.581
4	9.239	140503	9030	7975	1.023	14.315
5	14.921	718286	29294	8469	1.133	10.697

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● **Conclusion:**

Conclusion: Using Xtimate® C18(4.6×150mm, 5um) under this chromatographic condition can meet the test requirements.

Welch

Signature

Test: Hui Lin

Date: 2020/06/05

Revise: Xiaomei Wu

Date: 2020/06/05

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