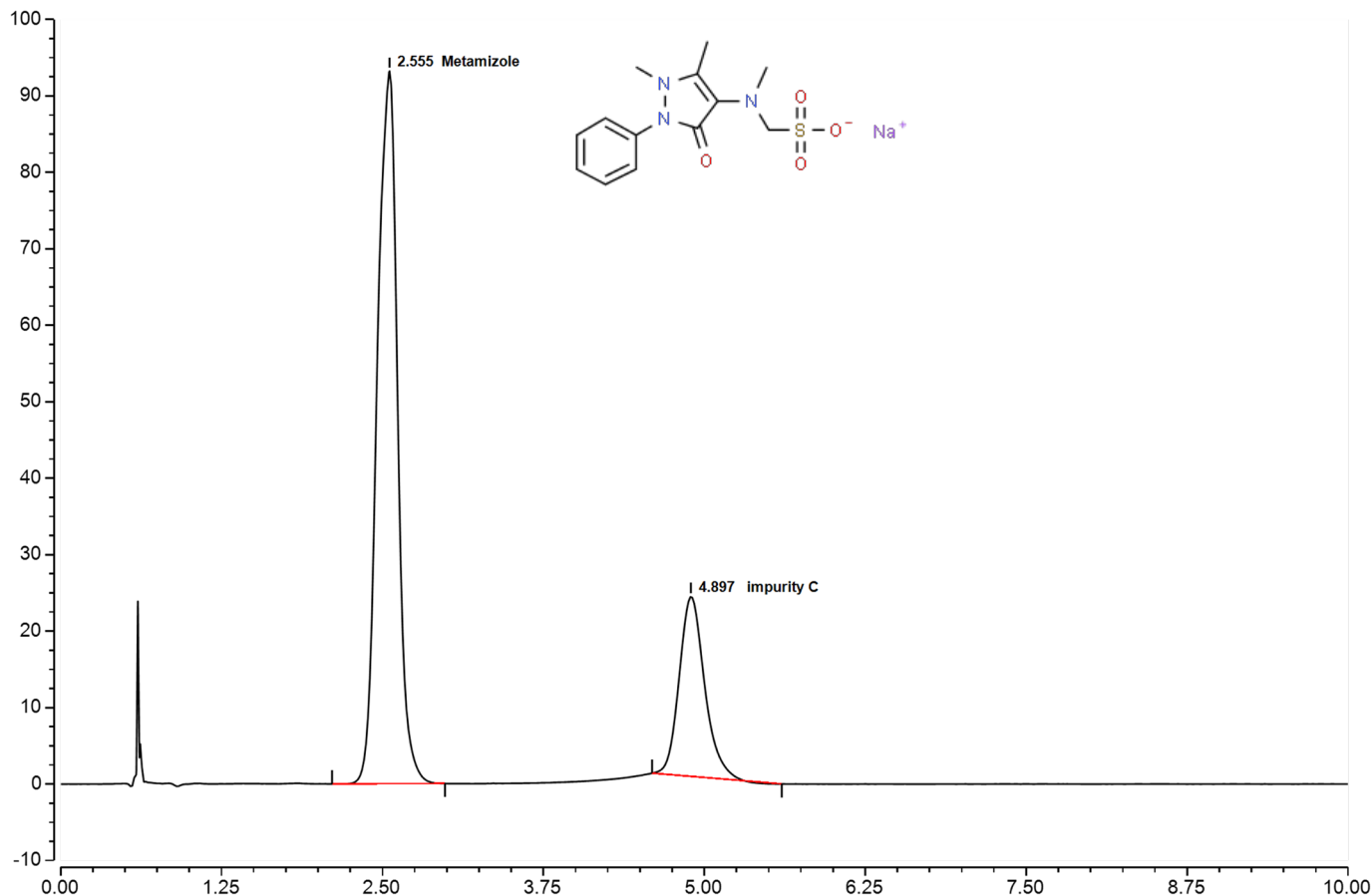




Metamizole Sodium

Endurus[®] C18 HP WP 3 μ m 50X4.6



Chromatographic data

No.	Compound	Retention Time (min)	Tailing Factor	RRT
1	Metamizole	2.555	0.95	1
2	impurity C	4.897	1.21	1.92

The analysis revealed two peaks corresponding to Metamizole Sodium and Impurity C, with retention times of 2.555 min and 4.897 min, respectively. Metamizole Sodium exhibited an area of 1016 μ AUsec, with a peak tailing of 0.95 and theoretical plates of 1431. Impurity C showed an area of 322 μ AUsec, with a peak tailing of 1.21 and theoretical plates of 3072. Relative retention time of Metamizole Sodium was 1. Further interpretation is available upon request.

Test Condition

Column:

Endurus[®] C18 HP WP 3 μ m 50X4.6

Injection: 5 μ L

Detection: UV 254 nm

Flow Rate: 1.0 mL/min

Mobile Phase: Methanol and Buffer (72:28)

Buffer: Dissolve 6.0 g of sodium dihydrogen phosphate and 1ml of triethylamine then, adjust with NaOH to a pH of 7.0.

Temperature: Ambient

Autosampler temperature: 5 $^{\circ}$ C

Sample Preparation:

Dissolve 50.0 mg of the substance to be examined in methanol R and dilute to 10.0 mL with the same solvent.

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Force Scientific • 207 & 210-213 The Space • Kunal Cross Road • Gotri, Vadodara, GJ 390021 • www.forcescientific.com

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