[APPLICATION NOTE]

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ANALYSIS OF MOUTHWASH USING XBRIDGE SHIELD RP18

TEST CONDITIONS

Columns: XBridge™ Shield RP18, 4.6 x 100 mm, 3.5 µm

Part Number: 186003044

Mobile Phase A: 0.1mM CH_3COONH_4, pH 5.4

Mobile Phase B: ACN

Flow Rate: 1.2 mL/min

Gradient:

Time	Profile	
(min)	%A	%B
0.00	95	5
2.00	85	15
7.00	5	95
8.00	5	95
9.00	95	5
12.00	95	5

Injection Volume: 20 µL

Sample: Sodium Saccharin (50 µg/mL), Domiphen Bromide (50 µg/mL), Cetylpyridinium chloride (10 µg/mL) in ACN/CH_3COONH_4 (5/95)

Column Temp: 30 °C

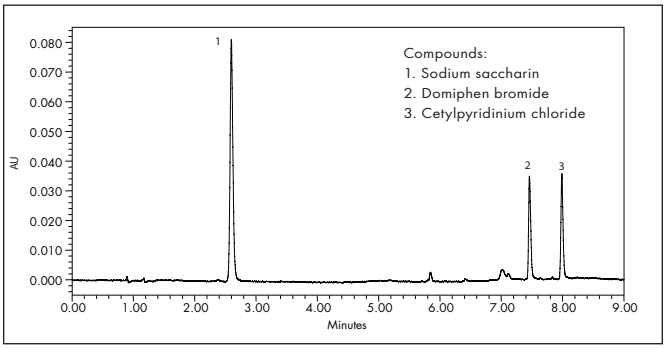
Sample Temp: 20 °C

Detection: UV @ 262 nm

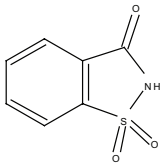
Sampling Rate: 5 point/sec

Filter Response: 0.2

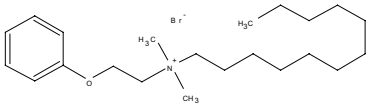
Instrument: Waters Alliance® 2695 with 2996 PDA



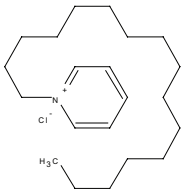
COMPOUNDS



Sodium Saccharin



Domiphen Bromide



Cetylpyridinium Cloride

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