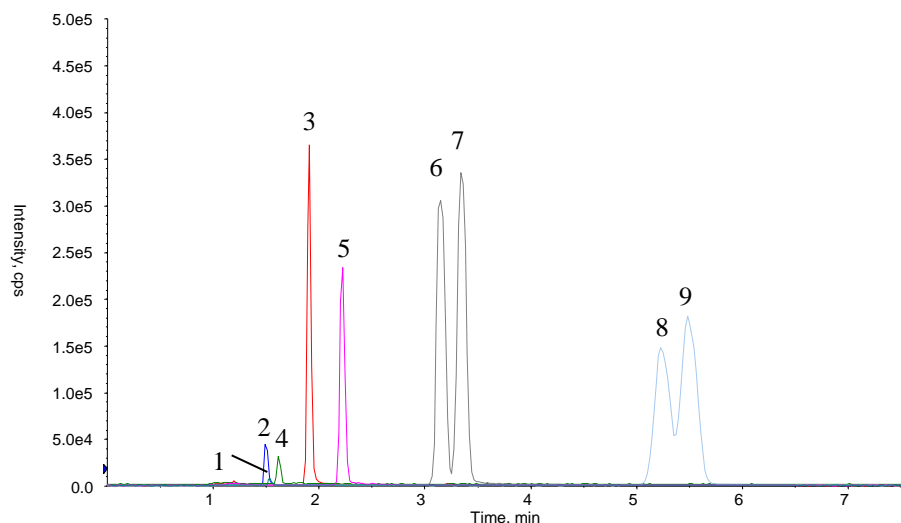


Analysis of Preservatives (Inertsil ODS-4)



Conditions

System	: LC800 HPLC system 4000 Q TRAP®	
Column	: Inertsil ODS-4 (2 µm, 75 x 2.1 mm I.D.)	
Column Cat. No.	: 5020-81203	
Eluent	: A) 0.05 % HCOOH in (H ₂ O/CH ₃ CN = 5/95, v/v) B) 0.05 % HCOOH in (H ₂ O/CH ₃ CN = 95/5, v/v) A/B = 5/95 - 0.2 min - 37/63 - 5.3 min - 37/63 - 0.01 min - 5/95 - 2.5 min - 5/95, v/v	
Flow rate	: 0.5 mL/min	
Col. Temp.	: 40 °C	
Detection	: LC/MS/MS (4000 Q TRAP® : ESI, Positive, MRM) CUR CAD IS TEM GS1 GS2 50 3 5500 700 60 50 LC/MS/MS (4000 Q TRAP® : ESI, Negative, MRM) CUR CAD IS TEM GS1 GS2 40 2 -4500 700 80 60	
Injection Vol.	: 2 µL	
Sample	: Standards	

Analyte:

	Q1/Q3	
1. Benzoic acid	121/77, Nega	(1 mg/L)
2. Sorbic acid	113/67, Posi	(1 mg/L)
3. Dehydroacetic Acid	169/85, Posi	(1 mg/L)
4. <i>p</i> -Hydroxy benzoic acid methyl ester	153/109, Posi	(1 mg/L)
5. <i>p</i> -Hydroxy benzoic acid ethyl ester	167/139, Posi	(1 mg/L)
6. <i>p</i> -Hydroxy benzoic acid <i>iso</i> -propyl ester	181/139, Posi	(1 mg/L)
7. <i>p</i> -Hydroxy benzoic acid <i>n</i> -propyl ester	181/139, Posi	(1 mg/L)
8. <i>p</i> -Hydroxy benzoic acid <i>iso</i> -butyl ester	195/139, Posi	(1 mg/L)
9. <i>p</i> -Hydroxy benzoic acid <i>n</i> -butyl ester	195/139, Posi	(1 mg/L)