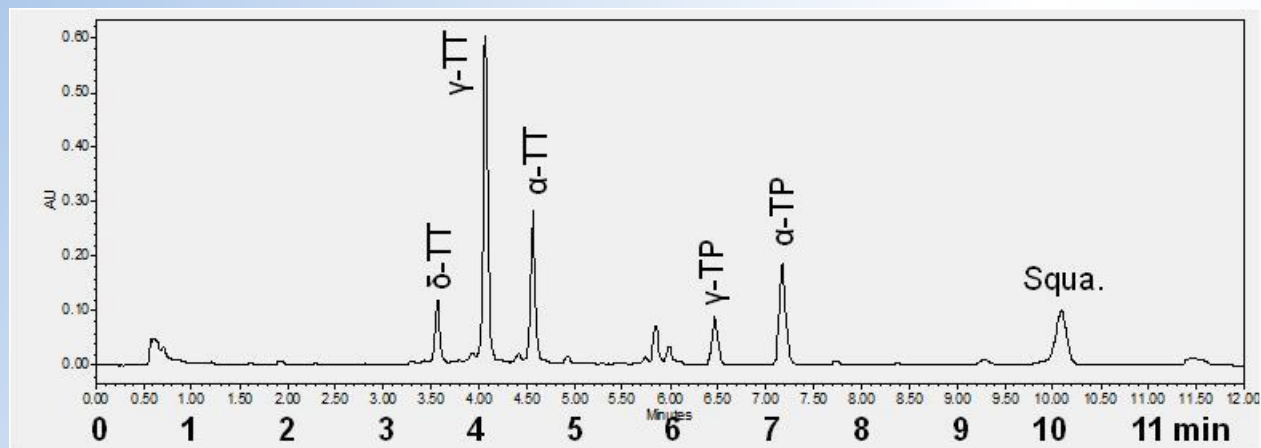


Analysis of Tocotrienols and Tocopherols on Gazelle C18, 1.7 μ m

Use: "Tocols" are in the vitamin E family. They are antioxidants and can reduce inflammation.



UHPLC	Waters UPLC H-Class
Column	Gazelle C18, 1.7 micron
Column Size	2.1 mm ID x 100 mm long
Temperature	40 °C
Detection	UV at 210 nm
Injection	2 μ L

delta-tocotrienol, R₁	3.57 min
gamma-tocotrienol, R₂	4.07 min
alpha-tocotrienol, R₃	4.57 min
gamma-tocopherol, R₄	6.47 min
alpha-tocopherol, R₅	7.17 min
Squalene, R₇	10.09 min

Mobile Phase Gradient	<u>Time</u>	<u>ACN</u>	<u>H₂O</u>
	0.00	87	13
	4.00	100	0
	10.00	100	0
	10.10	87	13
12.00	87	13	
Flow Rate	0.40 mL/min		