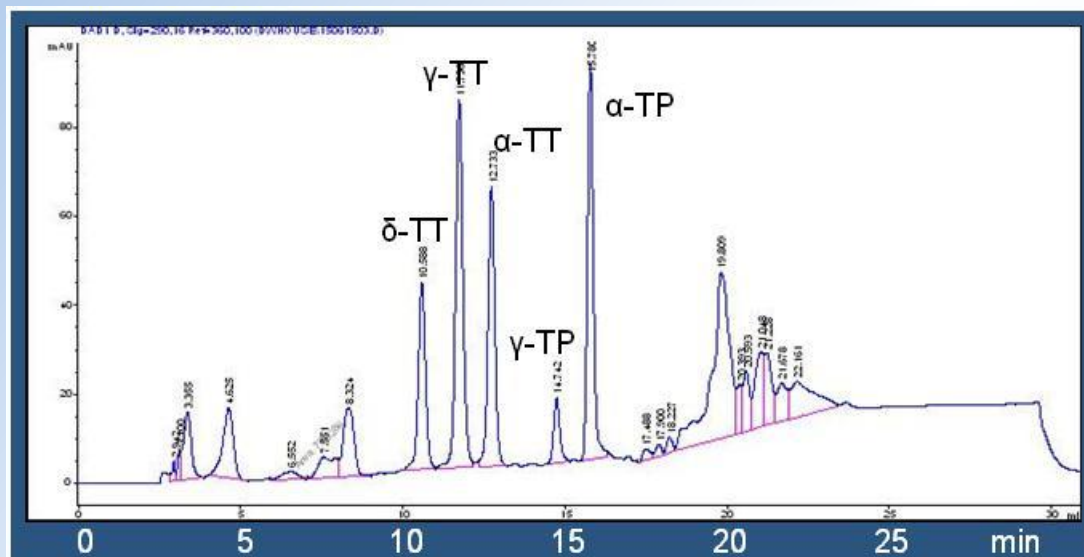


Analysis of Tocotrienols and Tocopherols on Orosil C18, 5 μ m

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



HPLC	Agilent 1100															
Column	Orosil C18, 5 micron															
Column Size	4.6 mm ID x 150 mm long															
Temperature	25 °C															
Detection	UV at 290 nm															
Injection	20 μ L															
Mobile Phase Gradient	<table border="1" style="width: 100%;"> <thead> <tr> <th>Time</th> <th>ACN</th> <th>H2O</th> </tr> </thead> <tbody> <tr> <td>0.00</td> <td>85</td> <td>15</td> </tr> <tr> <td>15.00</td> <td>100</td> <td>0</td> </tr> <tr> <td>25.00</td> <td>85</td> <td>15</td> </tr> <tr> <td>28.00</td> <td>85</td> <td>15</td> </tr> </tbody> </table>	Time	ACN	H2O	0.00	85	15	15.00	100	0	25.00	85	15	28.00	85	15
Time	ACN	H2O														
0.00	85	15														
15.00	100	0														
25.00	85	15														
28.00	85	15														
Flow Rate	0.60 mL/min															

delta-tocotrienol, R₁	10.59 min
gamma-tocotrienol, R₂	11.74 min
alpha-tocotrienol, R₃	12.73 min
gamma-tocopherol, R₄	14.74 min
alpha-tocopherol, R₅	15.78 min