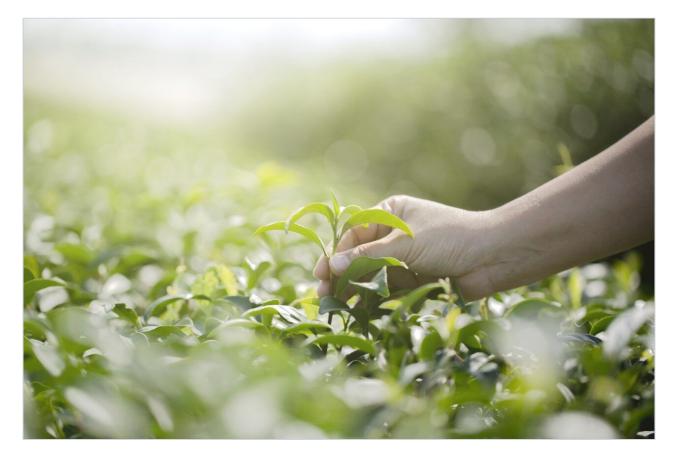
# Waters™

Application Note



Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

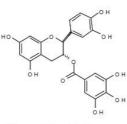
## Abstract

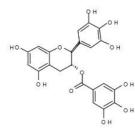
This application brief highlights the analysis of catechins using XTerra Phenyl Columns.

# Introduction

The compounds analyzed in this study are:

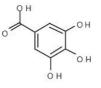
- 1. Gallic Acid
- 2. Epigallocatechin
- 3. Catechin
- 4. Caffeine
- 5. Epicatechin
- 6. Epigallocatechin Gallate
- 7. Gallocatechin Gallate
- 8. Epicatechin Gallate
- 9. Catechin Gallate



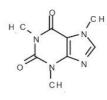


Catechin Gallate

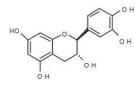
Gallocatechin Gallate



Gallic Acid



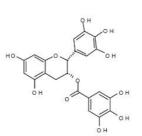
Caffeine



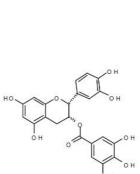
Catechin



но строботи вpigallocatechin



Epigallocatechin Gallate



Epicatechin Gallate

Experimental

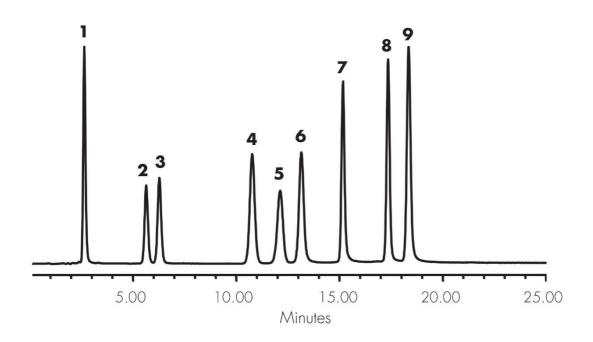
#### Conditions

Column:	XTerra Phenyl, 4.6 x 150 mm, 5 µm	
Part number:	186001146	
Mobile phase A:	H <sub>2</sub> O	
Mobile phase B:	МеОН	
Mobile phase C:	50 mM HCOOH, pH 2.45	
	1.0 mL/min	
Flow rate:	1.0 mL/min	
Flow rate: Injection volume:	1.0 mL/min 20 μL	
Injection volume:	20 µL	

#### Gradient

Time		Profile		
(min)	%A	%B	%C	
0.0	84	15	1	
10.0	84	15	1	
15.0	69	30	1	
25.0	69	30	1	

# Results and Discussion



## Featured Products

Alliance HPLC System <https://www.waters.com/534293>

2998 Photodiode Array (PDA) Detector <a href="https://www.waters.com/1001362">https://www.waters.com/1001362</a>>

WA20738.021, June 2002

© 2021 Waters Corporation. All Rights Reserved.