

# HPLC Application

ID No.: 19952

## Green Tea extracts/catechins on Kinetex 2.6u XB-C18 100x4.60mm on Shimadzu Nexera

**Column:** Kinetex® 2.6 µm XB-C18 100 Å, LC Column 100 x 4.6 mm, Ea

**Dimensions:** 100 x 4.6 mm ID

**Order No:** 00D-4496-E0

**Elution Type:** Gradient

**Eluent A:** 0.1% Phosphoric Acid in Water

**Eluent B:** 0.1% Phosphoric Acid in Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0.01	85	15
	2	0.45	85	15
	3	2.68	65	35
	4	3.34	10	90
	5	3.35	85	15
	6	5.34	85	15

**Flow Rate:** 1.8 mL/min

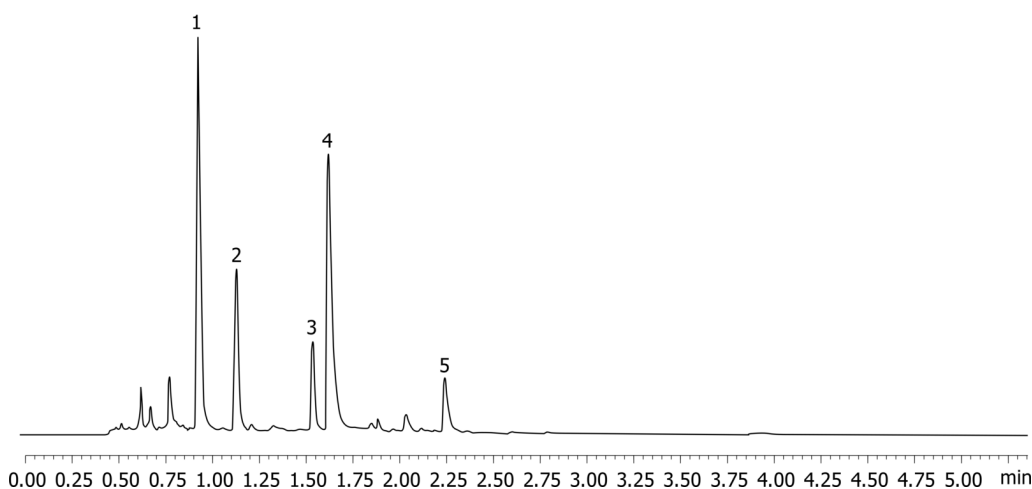
**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 215 nm (ambient)

19952



Products used in this application:



### ANALYTES:

- 1** Epigallocatechin  
Retention Time: 0.925 min
- 2** Catechin  
Retention Time: 1.128 min
- 3** Epicatechin  
Retention Time: 1.535 min
- 4** Epigallocatechin gallate  
Retention Time: 1.619 min
- 5** Epicatechin gallate  
Retention Time: 2.242 min

