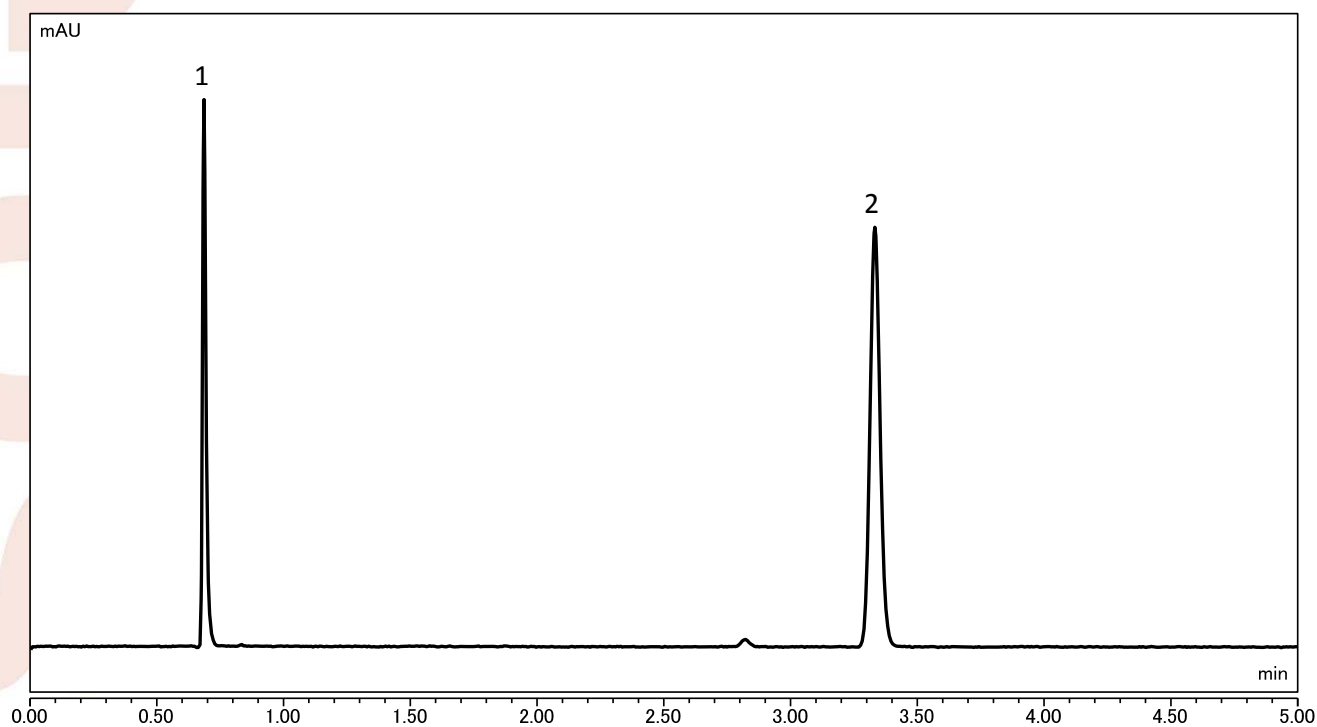


TEST REPORT

Product Name Develosil FlexFire C18, 1.6 μ m
Column Size Inner Diameter: 2.0 mm NW
End fitting type 280820S2C-GJ
Mfg. No.
Batch #020419
length: 150 mm

Operating conditions

Mobile phase : Acetonitrile/Water=60/40
Flow rate : 0.4 mL/min
Column Temp. : 40 $^{\circ}$ C
Pressure : 575 bar
Detection : UV254 nm
Sample
 1. Uracil (0.01mg/mL)
 2. Naphthalene (0.1mg/mL)
Injection vol. : 0.16 μ L



Analyte	Parameter	Specification	Result
Naphthalene	Theoretical plate	$\geq 24,000$	34,332
Naphthalene	Asymmetry factor	0.90-1.30	1.09

Mobile phase at shipment: Acetonitrile/Water=60/40

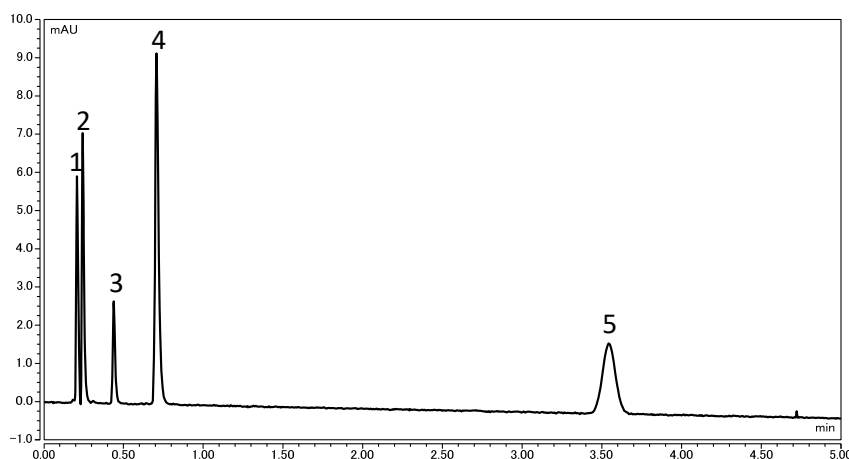
Certificate of Analysis

Develosil[®] FlexFire C18, 1.6 μ m Batch# 020419

Analytical Results for Develosil[®] FlexFire C18, 1.6 μ m

Analysis of Unbonded Silica Gel		Result
Median Particle Size	[μ m]	1.50
Surface Area	[m ² /g]	339
Pore Volume	[mL/g]	0.94
Average Pore Diameter	[nm]	11.1
Analysis of Bonded Silica Gel		
Total Carbon Content	[%]	21.9

Chromatographic Results for Develosil[®] FlexFire C18, 1.6 μ m



Sample:
 1. Uracil
 2. Caffeine
 3. Phenol
 4. Amitriptyline
 5. Naphthalene

Analytical Conditions;

Column: Develosil[®] FlexFire C18, 1.6 μ m (2.0x50mm)
 Mobile phase: 25mM HCOONH₄, pH3.0/Acetonitrile=60/40
 Flow rate: 0.5mL/min
 Temperature: 40 $^{\circ}$ C
 Detection: UV254nm
 Injection volume: 0.1 μ L

<i>k</i> Naphthalene	Result
	3.335
Relative retention	
<i>k</i> (Caffeine/Naphthalene)	0.010
<i>k</i> (Phenol/Naphthalene)	0.069
<i>k</i> (Amitriptyline/Naphthalene)	0.150
<i>k</i> (Caffeine/Phenol)	0.152
Tailing Factor	
Amitriptyline	1.46

Approved Satoshi Horikiri

Date: 2019.04.16