HPLC Application

ID No.: **20872**

OPA Derivitization of Histadine and Histamine using Kinetex 2.6u C18

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 100 x 4.6 mm, Ea
Dimensions: 100 x 4.6 mm ID
Order No: 00D-4462-E0
Elution Type: Gradient
Eluent A: 20mM Sodium Acetate pH 7.2 w/0.03% Sodium Azide (pre-filtered 0.2um)
Eluent B: 50:50 Acetonitrile/Methanol

Gradient Profile:

Step No.	Time (min)	Pct A	Pct B
1	0	97	3
2	20	20	80
3	20.5	97	3
4	23	97	3

Flow Rate: 1.2 mL/min
Col. Temp.: 30 °C
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 338 nm (ambient)
Detector Info: Offline Amino Acid derivatization:

1. In to a amber vial dispense 250uL of 20mM Sodium Acetate pH 12.5
2. Add 100uL of Sample (ex: Wine sample, Standards)
3. Mix for 30 seconds
4. Add 50uL of OPA derivatization agent (OPA: Part # 5061-3335)
5. Mix vigorously for 30 seconds
6. Add 2.0mL of MilliQ Water
7. Mix for 30 seconds
8. Inject 10uL of sample on to system

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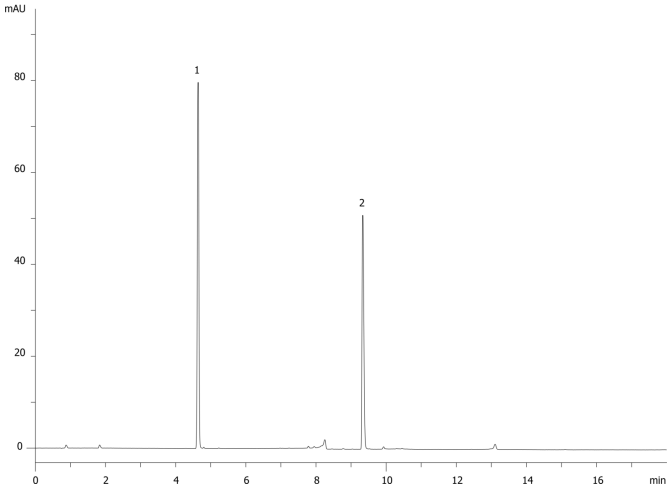

Products used in this application:

KINETEX®

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ANALYTES:

1 Histidine

2 Histamine