

CoreFocus Report

No.585

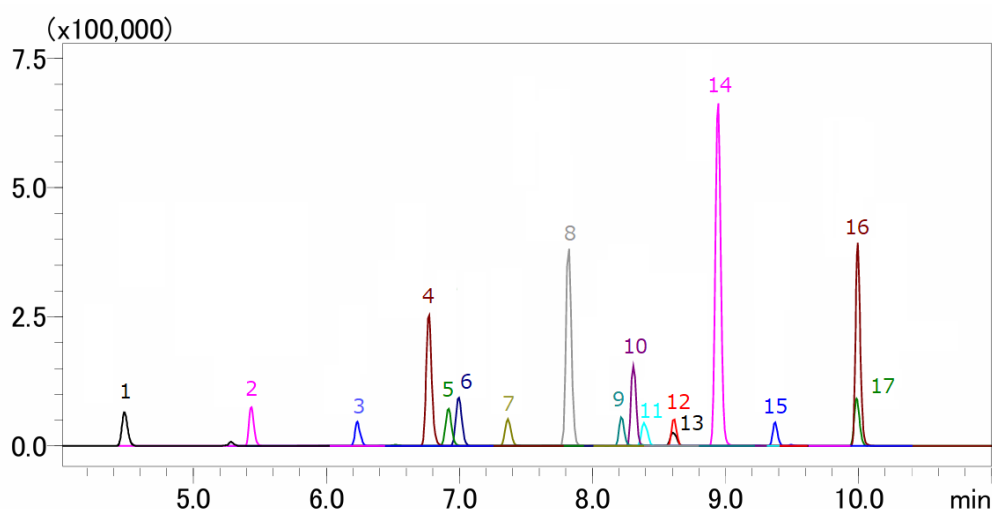
LC-MS

Reversed-phase

Shim-pack™ Series

Shim-pack GIST-HP C18-AQ (metal free) Analysis of allergens in food

Keywords: Peptides



1. LYAEER
2. SVAVSQVAR
3. ELQELQER
4. AGGLTLER
5. SVFDDNVQR
6. CPLTVVQSR
7. NKPLVVQFQK
8. NAVPITPTLNR
9. GTGNLELVAVR
10. 11.IVELEELR
12. IQLLEEDLER
13. NNPFYFPSR
14. FALPQYLK
15. ELINSWVESQTNGIIR
16. YLGYLEQLLR
17. GQILVVPQGFVVLK

[HPLC conditions] (Nexera™ X3)

Column : Shim-pack GIST-HP C18-AQ [Metal free],
100 mm x 2.1 mm I.D., 1.9 μm⁺

Mobile phase A : 0.1 % Formic acid in water

Mobile phase B : 0.1 % Formic acid in acetonitrile

Gradient : B conc. 2 % (0 min) → 15 % (6 min) → 40 % (10.5 min)

program : → 95 % (10.65 min) → 95 % (12 min) → 2 % (13.5 min)

→ 2 % (20 min)

Flow rate : 0.5 mL/min (0.35 mL/min for 16 min – 18 min)

Column temp. : 40 °C

Injection vol. : 3 μL

1*: P/N : 227-30936-02

[MS conditions] (LCMS-8060NX)

Ionization : IonFocus™ ESI
(Positive)

Mode : MRM

Nebulizing gas flow : 2.0 L/min

Drying gas flow : 3.0 L/min

Heating gas flow : 17.5 L/min

DL temp. : 150 °C

Block heater temp. : 300 °C

Interface temp. : 250 °C

Source : Application News 01-00665 (JP)

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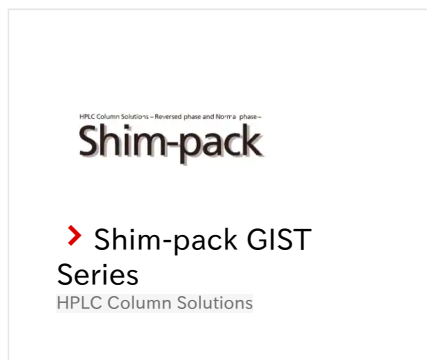
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