

LC/MS 를 이용한 땅콩 등의 견과류에서 Aflatoxins B1, B2, G1, G2 의 분석법

ID No. 15524

1. Sample preparation Method

- SPE : StrataX 500mg / 6mL

Sample Prep.

: Thouroughly mix ~1g of ground nut in 10-mL 70:30 methanol : 15% NaCl water. Centrifuge and sample from the supernatant (upper portion).

Condition Sorbent

: 5mL methanol 5mL water.

Load

: 5mL of prepped sample. (3mL/min.).

Wash

: 5mL 70:30 methanol : water. and dry.

Elute

: ~5mL 50:50 methanol : dichloromethane (3mL/min.).

*Concentrate if needed under a stream of nitrogen.

2. Chromatographic Condition

Column : Gemini 5 μ C18 110Å

Dimesions : 150 X 3 mm ID

Elution type : Isocratic

Eluent A : 10mM Ammonium Acetate, pH 4.5 Pct. A : 70

Eluent B : Acetonitrille Pct. B : 30

Flow Rate : 0.5mL/min

Col. Temp : Ambient

Detector : Mass Spectrometer (MS) (ambient)

