

# HPLC Application

ID No.: 17960

## Food - Quantitative Analysis of Glyphosate, Glufosinate and AMPA by LC/MS/MS (FMOC derivatization)

**Column:** Gemini<sup>®</sup> 3  $\mu$ m C18 110 Å, LC Column 150 x 2 mm, Ea

**Dimensions:** 150 x 2 mm ID

**Order No:** 00F-4439-B0

**Elution Type:** Gradient

**Eluent A:** Water + 2mM Ammonium Carbonate Buffer (pH=9)

**Eluent B:** Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	99	1
	3	4	99	1
	4	10	37	63
	5	11	37	63
	6	25	5	95

**Flow Rate:** 350  $\mu$ L/min

**Col. Temp.:** 30 °C

**Detection:** Mass Spectrometer (MS) @ amu (300 °C)

**Detector Info:** Glyphosate-FMOC m/z 390>168

Glufosinate-FMOC m/z 402>180

AMPA-FMOC m/z 332>110

The Application Was Supplied Courtesy of:

AQUA SERVICE SCHWERIN GMBH, Herr Uwe Böland

Bestimmung erfolgt nach Derivatisierung mit FMOC gemäß ISO

21458

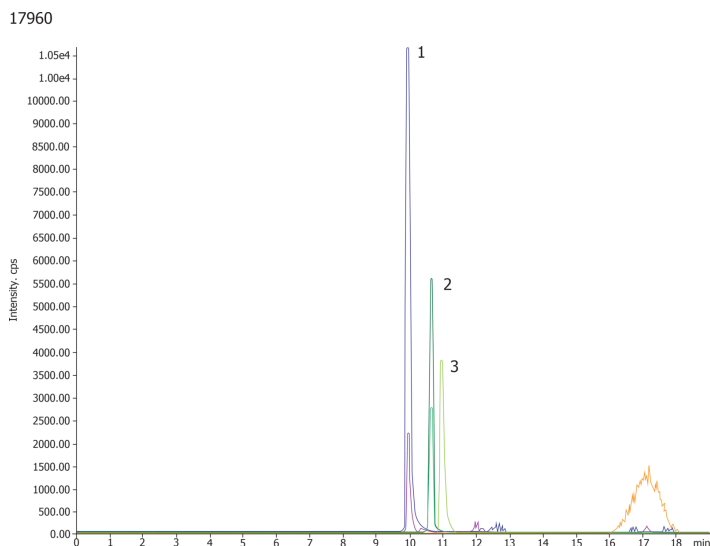
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Gemini C18 4 x 2.0mm, 10/Pk Part No.: AJ0-7596

- Holder Part No.: KJ0-4282



Products used in this application:



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### ANALYTES:

- 1 Glyphosate-FMOC
- 2 Glufosinate-FMOC
- 3 AMPA-FMOC

