HPLC Application

ID No.: **20927**

Food - Quantification of the masked mycotoxin DON-3-glucoside in cereal-based foods by LC/MS/MS

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 150 x 2.1 mm, Ea
Dimensions: 150 x 2.1 mm ID
Order No: 00F-4462-AN
Elution Type: Gradient
Eluent A: Water with 0.5% Acetic acid
Eluent B: Methanol with 0.5% Acetic acid

Gradient Profile:

Step No.	Time (min)	Pct A	Pct B
1	0	90	10
2	3	90	10
3	21	60	40
4	27	40	60
5	30	90	10
6	35	90	10

Flow Rate: 200 µL/min
Col. Temp.: 30 °C
Detection: Tandem Mass Spec (MS-MS) @ (300 °C)
Detector Info: Thermo Scientific linear ion trap LXQ

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Products used in this application:

KINETEX

20927
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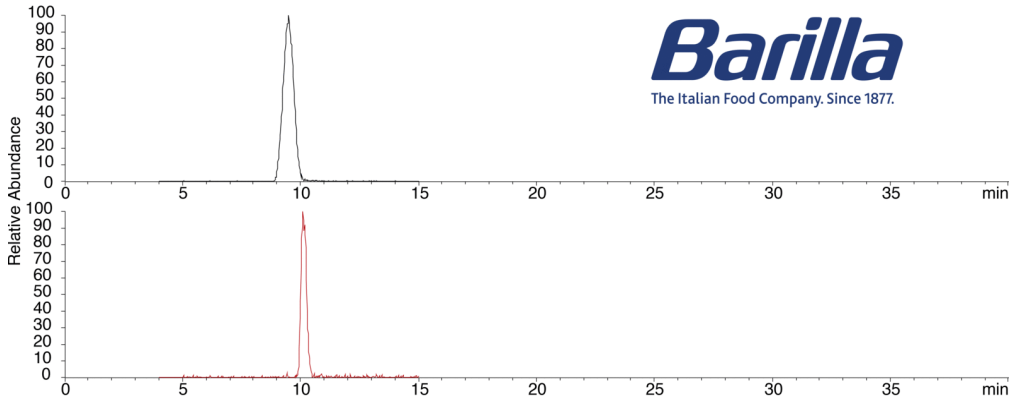

Chromatograms (SRM) of deoxynivalenol – DON (9.50 min) and deoxynivalenol-3-glucoside - DON-3G (10.1 min) from a naturally contaminated bread extract

ANALYTES:

1. Deoxynivalenol
   Retention Time: 9.5 min
2. Deoxynivalenol-3-O-glucoside
   Retention Time: 10.1 min

For more information contact your Phenomenex Representative at support@phenomenex.com

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