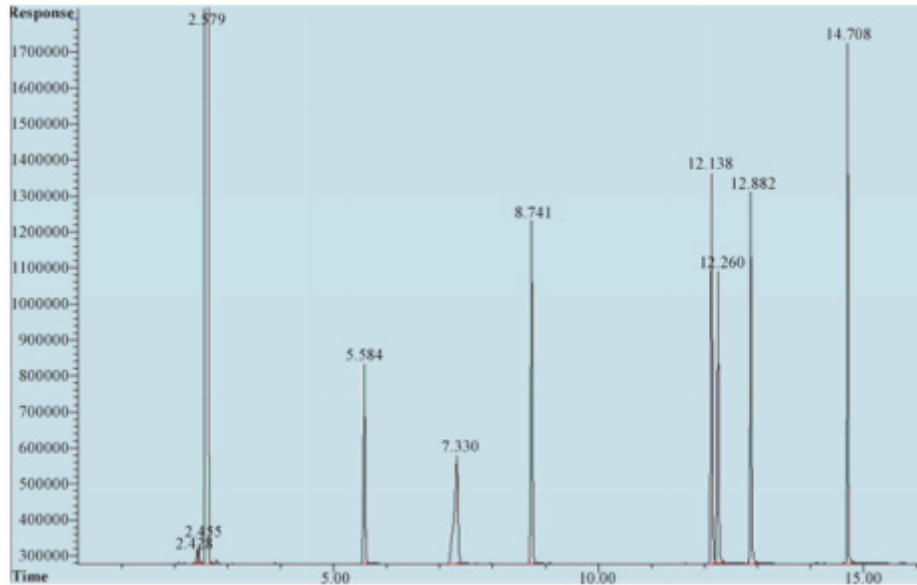


Rapid and simple extraction method for volatile N-nitrosamines in meat product

Application Number 214990



5.584 min N-Nitrosodimethylamine (NDMA)

7.330 min N-Nitrosomethylethylamine (NMEA)

8.741 min N-nitrosodiethylamine (NDEA)

12.138 min N-nitrosopyrrolidine (NPYR)

12.260 min N-nitrosodi-n-propylamine (NDPA)

12.882 min N-nitrosopiperidine (NPIP)

14.708 min N-nitrosodi-n-butylamine (NDBA)

Column OPTIMA XLB, 30 m x 0.25 mm ID, 0.25 μ m film

REF 725850.30

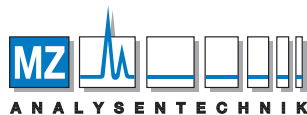
Matrix meat

Sample(s) For the preparation of nitrosamine mix standard and the extraction of nitrosamines from meat see the cited literature.

More information about used Extrelut (kieselguhr) and Florisil can be found under CHROMABOND XTR and CHROMABOND Florisil

Conditions Injection volume: 1 μ L, splitless Injection temperature: 250 $^{\circ}$ C (GC-FID); 240 $^{\circ}$ C (GC-MS) Carrier Gas: Helium, 1 mL/min

	Temperature: 40 °C (3 min) --> 100 °C, 10 °C/min (1 min) --> 250 °C, 15 °C/min (2 min)
Detection	FID, detector temp. 300 °C MS, transfer line temp. 275 °C, ion source temp. 240 °C, EI+ 70 eV
Author	Al-Kaseem et al.
Source	Pharmacology&Pharmacy, 2013, 4, 611-618 published online November 2013 http://dx.doi.org/10.4236/pp.2013.48087
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