

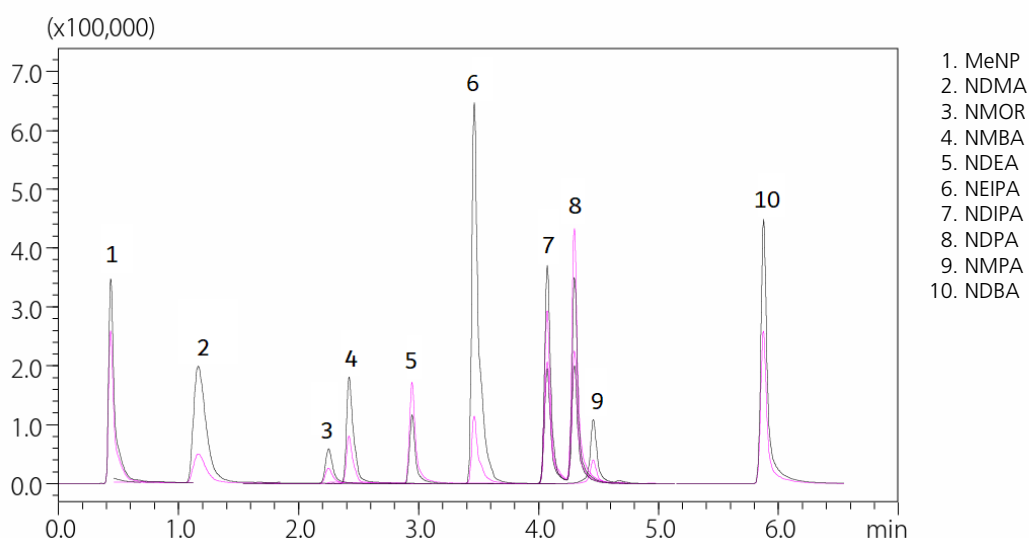
CoreFocus
Report
No.444

LC-MS Reversed-phase Shim-pack™ Series

Shim-pack Velox™ Biphenyl

Analysis of 10 Nitrosamines

Keywords: ICH M7, IARC, FDA, EMA, pharmacopeia, EP, USP, JP



System	: Nexera™ X3
Column	: Shim-pack Velox Biphenyl (100 mm L x 2.1 mm I.D., 2.7 μm), P/N : 227-32015-03
Mobile phase	: A) H ₂ O/Formic acid = 1000 : 0.5 B) Methanol/Formic acid = 1000 : 0.5
Time Program	: B conc. 1.0% (0.00-1.20 min)–35.0% (2.00 min) – 60.0% (5.30-7.00 min)–98.0% (7.01-10.00 min) – 1.0% (10.01-14.00 min) Valve position : loading (0 min) -analysis (0.25 min) - loading (4.65 min) -analysis (4.9 min) -loading (7.0 min)
Flow rate	: 0.60 mL/min
Column temp.	: 45 °C
Injection vol.	: 20 μL
Detection	: 254 nm (SPD-M40, Semi micro cell)

System	: LCMS-8060NX*
Ionization	: APCI (positive mode)
Probe voltage	: 4.0 kV
Mode	: MRM
Nebulizing gas flow	: 4.0 L/min
Drying gas flow	: 3 L/min
DL temp.	: 150 °C
Heat block temp.	: 200 °C
Interface temp.	: 350 °C

* Hydrocarbon filter used on nitrogen gas line
(P/N: 225-42793-01)

Source : Application News an_01-00400 ([JP](#), [ENG](#))

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