

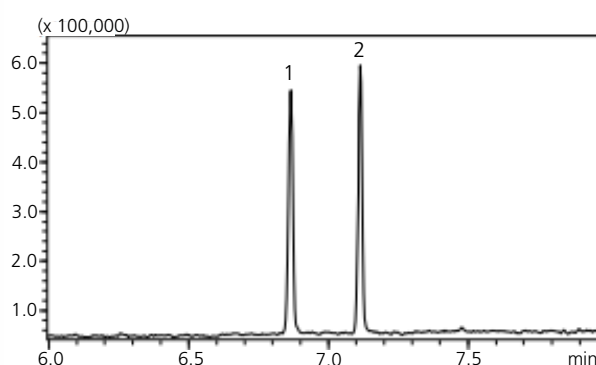
CoreFocus
Report
No.390

GCMS

SH Series

SH-I-1HT
Quantitation of 3,3'-Dichloro-4,4'-
Diaminodiphenylmethane (MOCA) in
the Work Environment

Keywords: Urethane resin, Hardener



1. 3,3'-Dichlorobenzidine-TFA (DCB-TFA)
2. 3,3'-Dichloro-4,4'-diaminodiphenylmethane-TFA (MOCA-TFA)
(1 µg/mL each)

Model	: GCMS-QP™2020 NX
Column	: SH-I-1HT (15 m x 0.25 mm I.D., 0.1 µm) P/N : 227-36087-01
Glass insert	: Topaz®3.5 mm I.D. Single taper inlet liner w/wool Code No. 23336, Restek Corporation
GC	
Inlet temp.	: 280 °C
Injection mode	: Splitless
Sampling time	: 1 min
Carrier gas	: He
Control mode	: Constant linear velocity (60.4 cm/s)
Purge flow rate	: 5.0 mL/min
Column oven temp.	: 100 °C (1 min) - 20 °C /min - 300 °C (3 min)
Injection volume	: 1.0 µL

MS

Ion source temp.	: 230 °C
Interface temp.	: 300 °C
Measurement mode	: Scan
Event time (scan)	: 0.2 s
Mass range (m/z)	: 40 - 700
Measurement mode	: SIM
Event time (SIM)	: 0.2 s
Monitor ions (m/z)	: DCB-TFA 409, 444, 446 MOCA-TFA 423, 458, 460

Source : Application News M302 ([JP](#), [ENG](#))

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