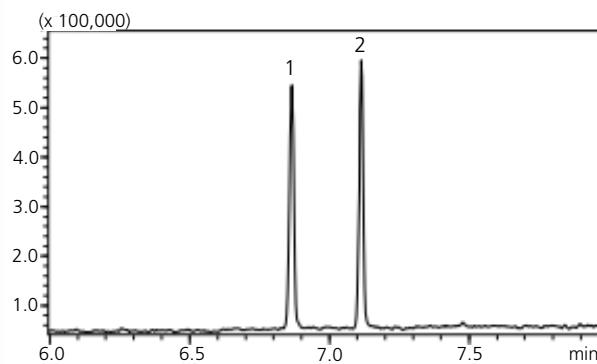


CoreFocus
Report
No.390

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	MS	
Column	:	SH-I-1HT (15 m x 0.25 mm I.D., 0.1 µm)	Ion source temp.	: 230 °C
		P/N : 227-36087-01	Interface temp.	: 300 °C
Glass insert	:	Topaz®3.5 mm I.D. Single taper inlet liner w/wool Code No. 23336, Restek Corporation	Measurement mode	: Scan
			Event time (scan)	: 0.2 s
			Mass range (m/z)	: 40 - 700
GC			Measurement mode	: SIM
Inlet temp.	:	280 °C	Event time (SIM)	: 0.2 s
Injection mode	:	Splitless	Monitor ions (m/z)	: DCB-TFA 409, 444, 446 MOCA-TFA 423, 458, 460
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		

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

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