

**CoreFocus**  
**Report**  
**No. 487**

GC

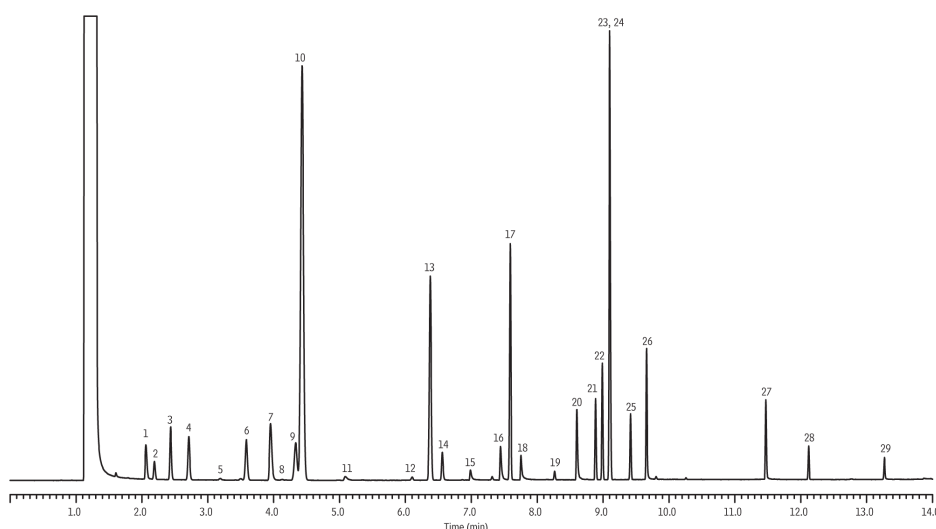
FID

SH Series

**SH-I-624Sil MS**

**Analysis of Residual solvents in  
pharmaceuticals**

**Keywords: Volatile organic solvents**



- 1 Acetone
- 2 Dichloromethane
- 3 trans-1,2-Dichloroethene
- 4 Hexane
- 5 Nitromethane
- 6 cis-1,2-Dichloroethene
- 7 Tetrahydrofuran
- 8 Chloroform
- 9 1,1,1-Trichloroethane
- 10 Cyclohexane
- 11 2-Methoxyethanol
- 12 Trichloroethene
13. Methylcyclohexane
- 14 1,4-Dioxane
- 15 2-Ethoxyethanol
- 16 Pyridine
- 17 Toluene
- 18 Ethylene glycol
- 19 2-Hexanone
- 20 Dimethylformamide
- 21 Chlorobenzene
- 22 Ethylbenzene
- 23 p-Xylene
- 24 m-Xylene
- 25 o-Xylene
- 26 N,N-Dimethylacetamide
- 27 1-Methyl-2-pyrrolidone
- 28 1,2,3,4-Tetrahydronaphthalene
- 29 Sulfolane

Instrument	: GC
Column	: SH-I-624Sil MS (20 m x 0.18 mm I.D. df = 1.00 µm) , P/N : 227-36075-01
Column temp.	: 40°C (5 min) - 50°C/min - 260°C (3 min)
Inj. vol	: 0.5 µL
Split ratio	: 1:50
Liner	: 5 mm split
Inj. temp.	: 250 °C
Detector	: FID at 250°C
Data rate	: 50 Hz
Carrier gas	: He, constant flow
Flow rate	: 1.35 mL/min
Linear velocity	: 45 cm/s
Dead time	: 0.74 min at 40°C

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