

CoreFocus
Report
No.399

GCMS

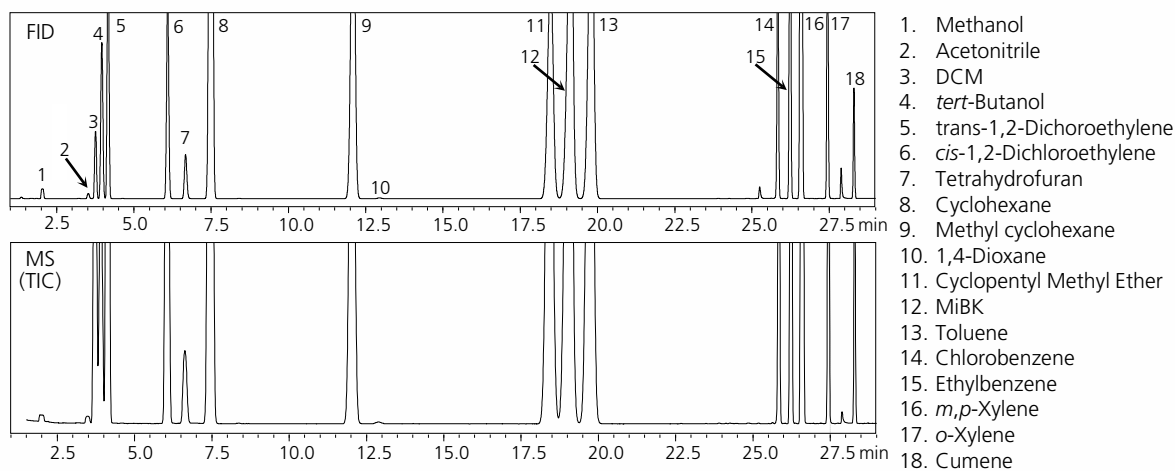
FID

HS

SH Series

SH-I-624Sil MS
Analysis for Residual Solvents in
Pharmaceuticals
- JP18, USP467 : Class 2A Standard Solution

Keywords: ICH Q3C, Impurities Guideline, Headspace, GC-FID



Model	: GCMS-QP™2010 NX/HS-20 NX/FID-2030	FID	
Column	: SH-I-624Sil MS (30 m x 0.32 mm I.D., 1.8 µm) P/N : 227-36077-01	Detector temp.	: 250 °C
Column temp.	: 40 °C (20 min) - 10 °C/min - 240 °C (20 min) Total 60 min	FID H ₂ flow rate	: 32 mL/min
Injection mode	: Split 1 : 5	FID make-up flow rate	: 24 mL/min (He)
Carrier gas controller	: Constant linear velocity mode (He)	FID air flow rate	: 200 mL/min
Linear velocity	: 40 cm/s	MS	
HS		Ion source temp.	: 200 °C
Oven temp.	: 80 °C	Interface temp.	: 250 °C
Equilibration time	: 45 min	SCAN range	: <i>m/z</i> 30 to 250
Sample line temp.	: 110 °C	Event time	: 0.3 s
Transfer line temp.	: 120 °C		
Vial stirring	: Off		
Vial volume	: 20 mL		
Vial pressurization time	: 1 min		
Vial pressure	: 75.0 kPa (He)		
Loading time	: 0.5 min		
Needle flush time	: 5 min		
injection volume	: 1 mL		
Load equilibrating time	: 0 min		

Source : Application News 01-00221-JP ([JP](#), [ENG](#))

CoreFocus and GCMS-QP are trademarks of Shimadzu Corporation or its affiliated companies in Japan and/or other countries.

Shimadzu Corporation
www.shimadzu.com/an/

For Research Use Only. Not for use in diagnostic procedures.

This publication may contain references to products that are not available in your country. Please contact us to check the availability of these products in your country.

The content of this publication shall not be reproduced, altered or sold for any commercial purpose without the written approval of Shimadzu.

Company names, products/service names and logos used in this publication are trademarks and trade names of Shimadzu Corporation, its subsidiaries or its affiliates, whether or not they are used with trademark symbol "TM" or "®". Third-party trademarks and trade names may be used in this publication to refer to either the entities or their products/services, whether or not they are used with trademark symbol "TM" or "®".

Shimadzu disclaims any proprietary interest in trademarks and trade names other than its own.

The information contained herein is provided to you "as is" without warranty of any kind including without limitation warranties as to its accuracy or completeness. Shimadzu does not assume any responsibility or liability for any damage, whether direct or indirect, relating to the use of this publication. This publication is based upon the information available to Shimadzu on or before the date of publication, and subject to change without notice.

➤ Please fill out the survey

Related Products

Some products may be updated to newer models.

HPLC Column Solutions – Reversed phase and Normal phase –
Shim-pack

➤ SH-I-624SiI MS

Related Solutions

➤ Small Molecule
Pharmaceutical

➤ 低分子医薬品

➤ Price Inquiry

➤ Product Inquiry

➤ Technical Service /
Support Inquiry

➤ Other Inquiry