

**CoreFocus**  
**Report**  
**No.396**

GCMS

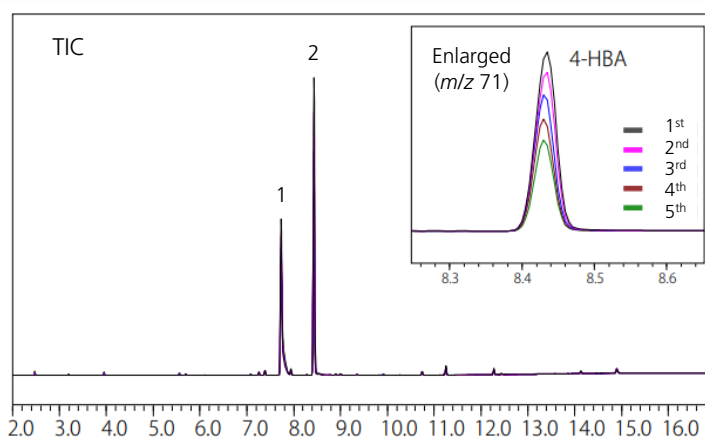
HS

SH Series

**SH-PolarWax**

**Analysis of Residual Monomers in UV Curable Resin**

**Keywords: Polymer, Resin**



1. 1,4-Butanediol
2. 4-Hydroxybutyl acrylate (4-HBA)

Model : GCMS-QP™2020 NX/HS-20

**HS**

Mode : Loop  
Analysis mode : MHE  
Oven temp. : 200 °C  
Sample line temp. : 210 °C  
Transfer line temp. : 220 °C  
Gas pressure : 150 kPa  
for vial pressurization  
Vial equilibrating time : 30.0 min  
Vial pressurizing time : 0.50 min  
Pressure equilibrating time : 0.10 min  
Load time : 0.50 min  
Load equilibrating time : 0.10 min  
Injection time : 0.10 min  
Needle flushing time : 2.00 min

**GC**

Column : SH-PolarWax (30 m x 0.32 mm I.D., 0.5 µm)  
P/N : 227-36251-01  
Injection mode : Split  
Split ratio : 100  
Carrier gas : He  
Carrier gas control : Constant linear velocity (50 cm/min)  
Oven temp. : 100 °C - 10 °C/min - 240 °C (3 min)

**MS (EI)**

Ion source temp. : 200 °C  
Interface temp. : 250 °C  
Tuning mode : Standard  
Measurement mode : Scan (m/z 35 to 500)  
Event time : 0.3 s

Source : Application News 01-00174 ([JP](#))

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