

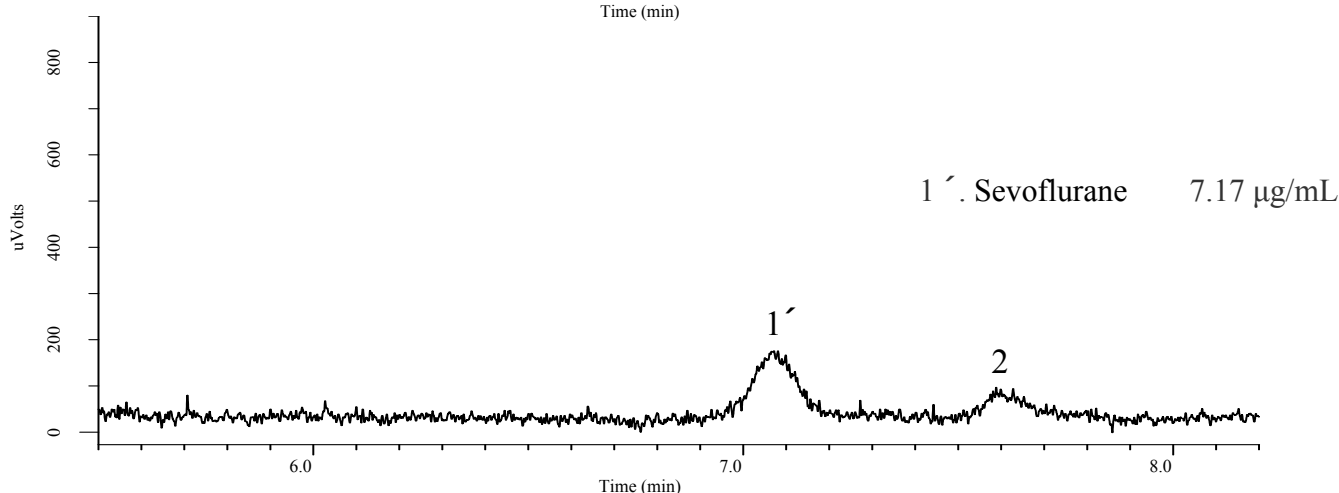
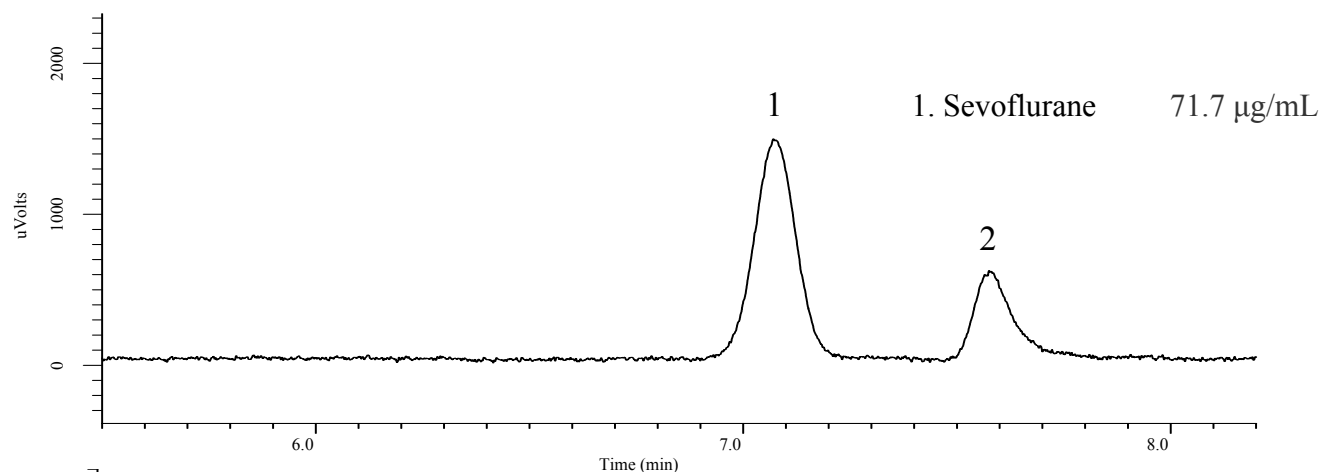
# InertSearch™ for GC

InertCap® Applications

## Analysis of Sevoflurane

(Under the Condition of Japanese Pharmacopoeia 16)

Data No. GA 267-0904



### Conditions

**System** : GC-FID  
**Column** : InertCap 624  
0.32 mm I.D. x 30 m df = 1.8 µm  
**Col. Cat. No.** : 1010-14747  
**Col. Temp.** : 40 °C (10 min) – 10°C/min – 200°C  
**Carrier Gas** : He 0.78 mL/min Constant Flow  
**Injection** : Split 1:20  
200 °C  
**Injection Vol.** : 2 µL  
**Detection** : FID Auto Range  
225 °C  
**Sample** : Standard  
Analyte in *o*-Xylene

### Analyte

1. Sevoflurane  
2. Impurity  
Theoretical plates : 24480 ( $\geq 6000$ )  
Tailing factor : 1.02 ( $\leq 1.5$ )  
RSD of the  
peak area (%) : 1.93 ( $\leq 5.0$ )  
The peak area ratio  
of 1' to 1 (%) : (7  $\leq$ ) 11.1 ( $\leq 13$ )