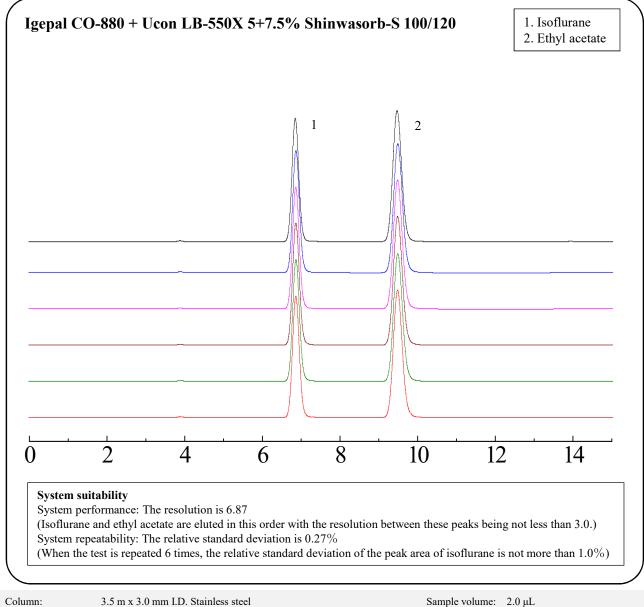


Analysis of isoflurane using Shinwasorb

~Assay~

Isoflurane is used as an anesthetic for animals. Shown below is an analysis of isoflurane performed using a column packed with a Shinwasorb packing material and in accordance with the Japanese Pharmacopoeia.



Column:3.5 m xSample:IsofluraColumn temp.:80°CInjection port temp.:200°CCarrier gas:37 mL

Isoflurane, ethyl acetate in o-xylene Detector 80°C 200°C 37 mL/min N₂ (Adjust so that the retention time of isoflurane is about 7 minutes.)

Sample volume:2.0 μLDetector:FID 200°C



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~Purity test (4) Related substances~

| (Confirm | uitability lity: 50.43% that the peak area of isoflu ned from 5 μL of Solution (| rane obtained from 5 μ L D.) | of Solution ② is equiva | lent to 35 to 65% of | |
|----------|---|----------------------------------|-------------------------|----------------------|----|
| | D: The standard solution 2): Two times dilution of (1) | | | | _ |
| | | | | 1 | |
| 0 | | | | | |
| 2 | | ~ |) | · . | |
| 0 | 2 | 4 | 6 | 8 | 10 |
| Column: | 3.5 m x 3.0 mm I.D. St | | | ample volume: 5.0 µL | |

Column:3.5 m x 3.0 mm I.D. Stainless steelSample volume:5.0 μLSample:Isoflurane in o-xyleneDetector:FID 200°CColumn temp.:80°C200°CFID 200°CInjection port temp.:200°C37 mL/min N2 (Adjust so that the retention time of isoflurane is about 7 minutes.)FID 200°C

■ Packing material specifications and price ■

| Product name | Weight | Price |
|--|--------|------------|
| Igepal CO-880 + Ucon LB-550X 5+7.5% Shinwasorb-S 100/120 | 25 g | 24,500 JPY |

■ Packed column specifications and price ■

| Product name | Column material | Dimensions | Price |
|---|---|---------------------|------------|
| Igepal CO-880 + Ucon LB-550X 5+7.5% Shinwasorb-S 100/120 | Stainless steel (For GC-2014 systems) | 3.5 m x 3.0 mm I.D. | 83,500 JPY |

Prices for glass columns for Shimadzu systems other than the GC-2014, and systems manufactured by other manufacturers will differ from that shown above. The prices shown above are applicable as of March 23rd, 2018. Please contact us for pricing.

Please feel free to contact us with questions related to analyses.

Please be aware that specifications and prices are subject to change without prior notification.

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