

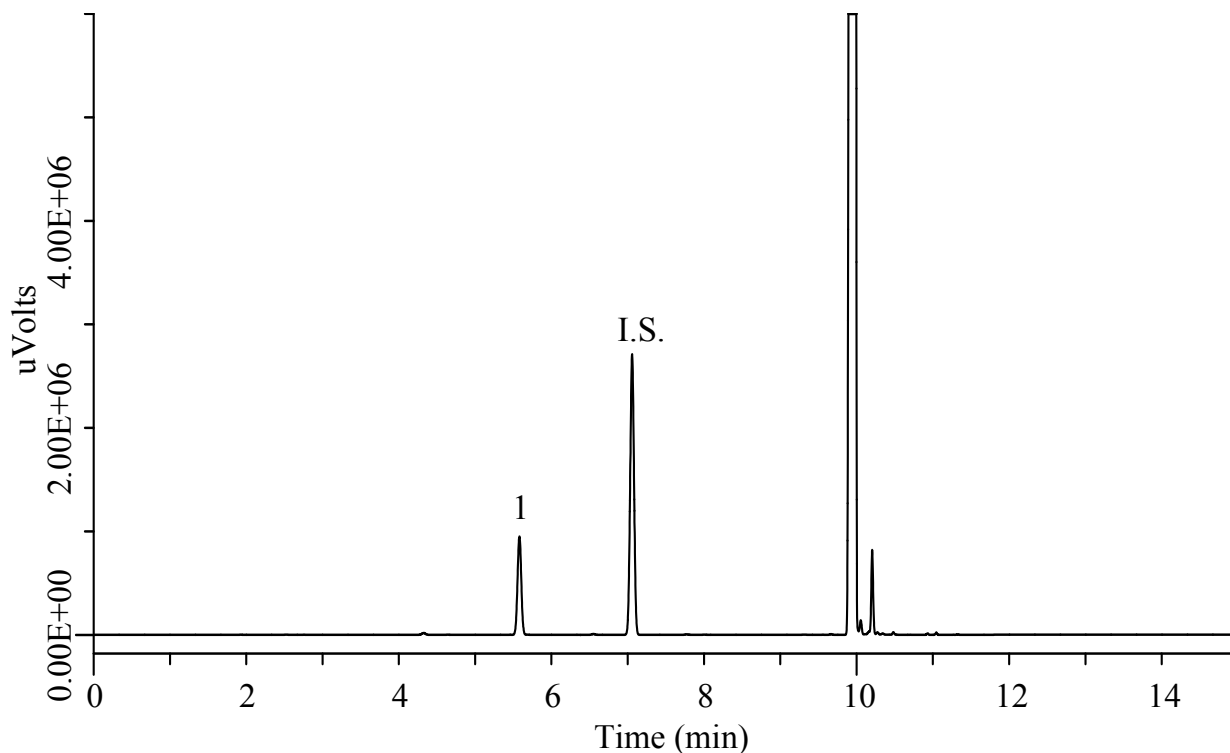
InertSearch™ for GC

InertCap® Applications

Analysis of Hydroxypropyl Cellulose

(Under the Condition of the draft for the Japanese Pharmacopoeia)

Data No. GA 275-0904



Conditions

System : GC-FID
Column : InertCap 1
0.53 mm I.D. x 30 m df = 3.0 µm
Col. Cat. No. : 1010-11448
Col. Temp. : 40 °C(3 min) – 10 °C/min – 100 °C
– 50 °C/min – 250 °C(3 min)
Carrier Gas : He 7.82 mL/min Constant Flow
Injection : Split 1:50
180 °C
Injection Vol. : 2 µL
Detection : FID Auto Range
280 °C
Sample : Standard solution

Analyte

1. Isopropyl iodide
I.S. Methylcyclohexane

Resolution (1, I.S.) : 15.95 (≥ 2.0)
Relative retention time (1 to I.S.) : 0.79 (about 0.8)
RSD of the response factor
calculation (F)(%)(n=6) : 0.29 (≤ 2.0)