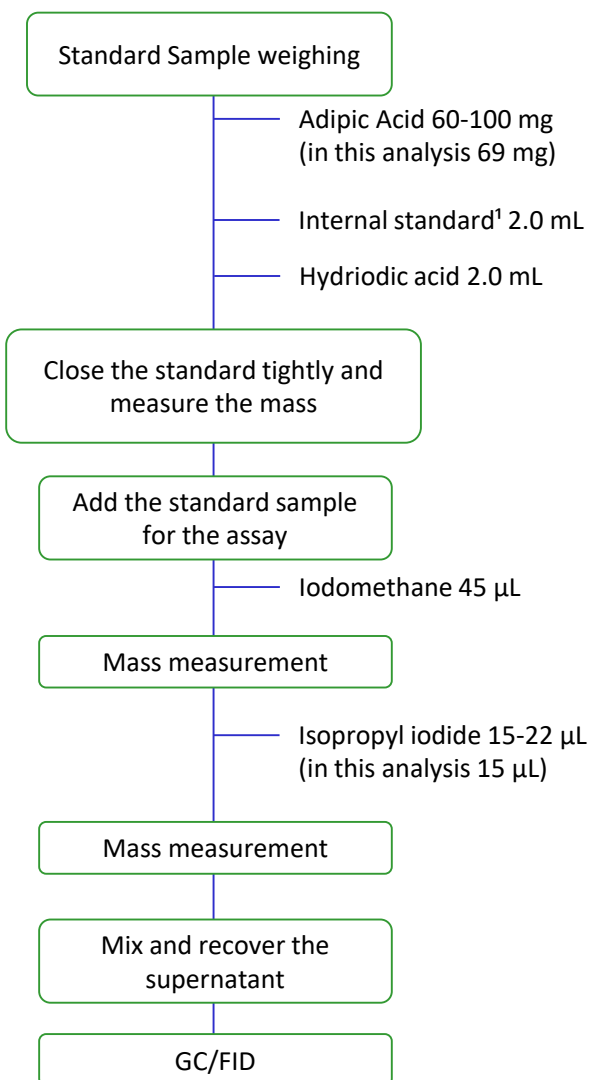


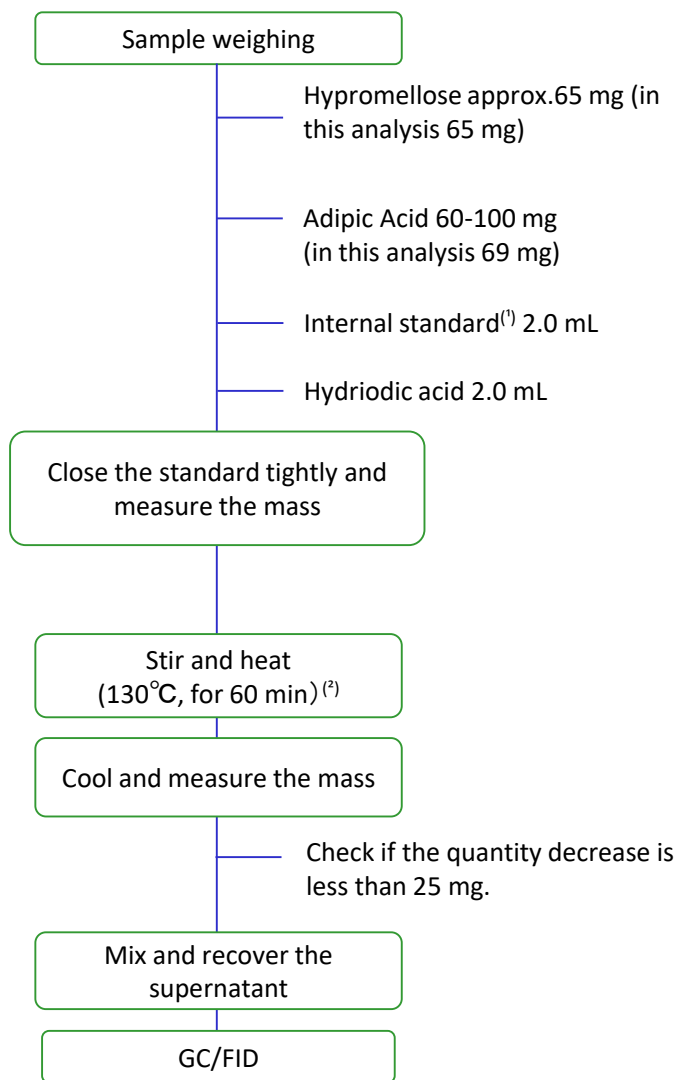
This note shows the analysis of Hypromellose which was conducted under the assay method of the new 17th edition of the Japanese Pharmacopeia (JP17). This new method replaces the use of packed column, which was indicated in the old method, with a GC capillary column. Successful results were obtained due to the pretreatment and the analysis methods contained in this application.

Pre-treatment

Standard sample



Sample



⁽¹⁾ 3 mL of n-octane was diluted to volume in o-Xylene to 100m.

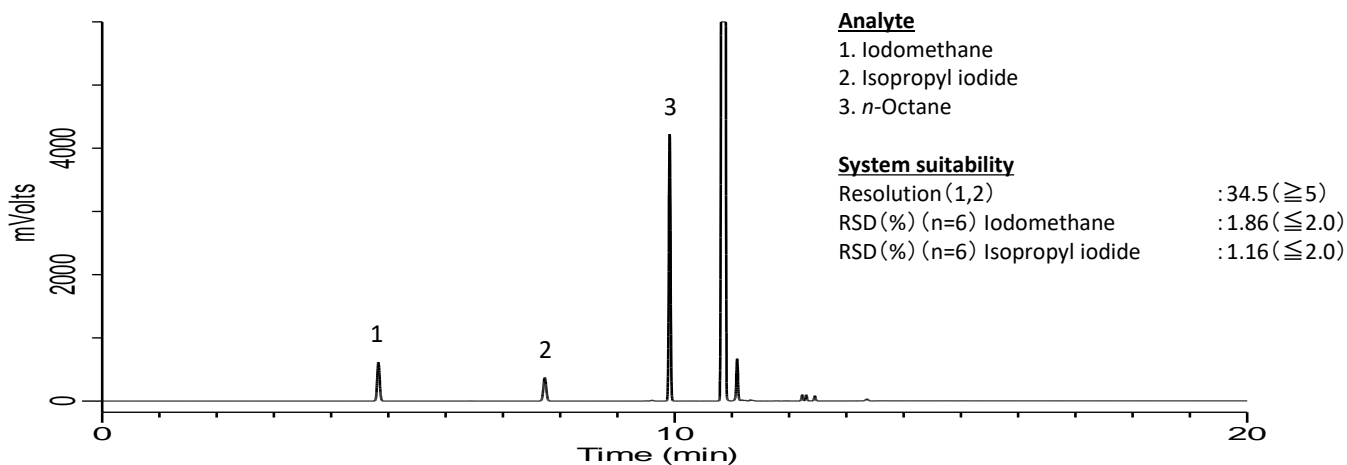
⁽²⁾ This procedure was conducted by using a Reacti-Therm Heating and Stirring Module.

Analysis Conditions and Results

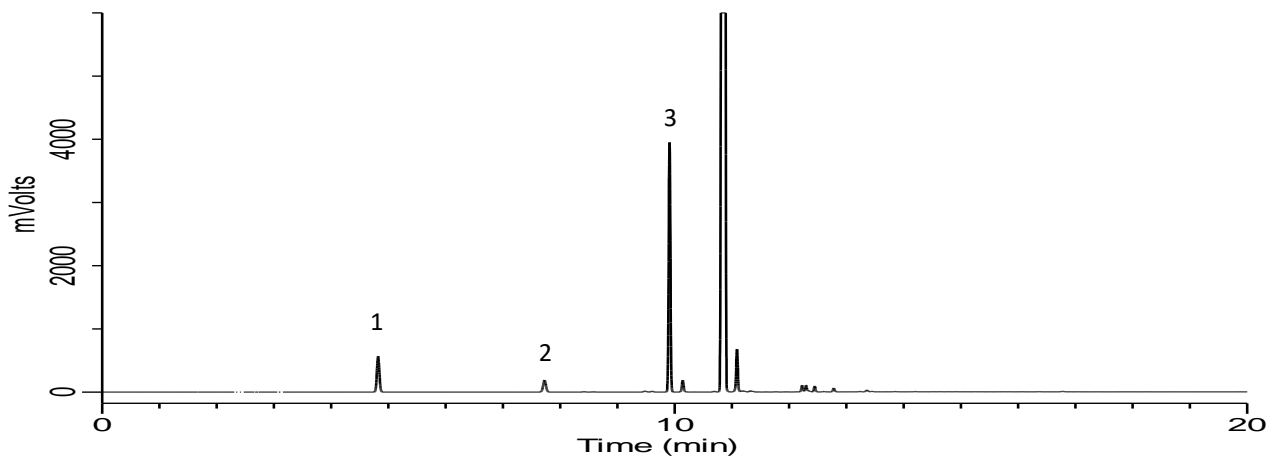
Conditions

System : GC-FID
Column : InertCap 1
 0.53 mmI.D. × 30 m df = 3.00 μm (Cat.No.: 1010-11448)
Col. Temp. : 50 °C(3 min) - 10 °C/min - 100 °C - 35 °C/min – 250 °C(8 min)
Carrier Gas : He 3 mL/min (Internal standard retention time 10 min)
Injection : Split 1:40
 250 °C
Detection : FID Auto Range
 280 °C
Sample Size : 1 μL

Standard sample chromatogram



Sample chromatogram



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