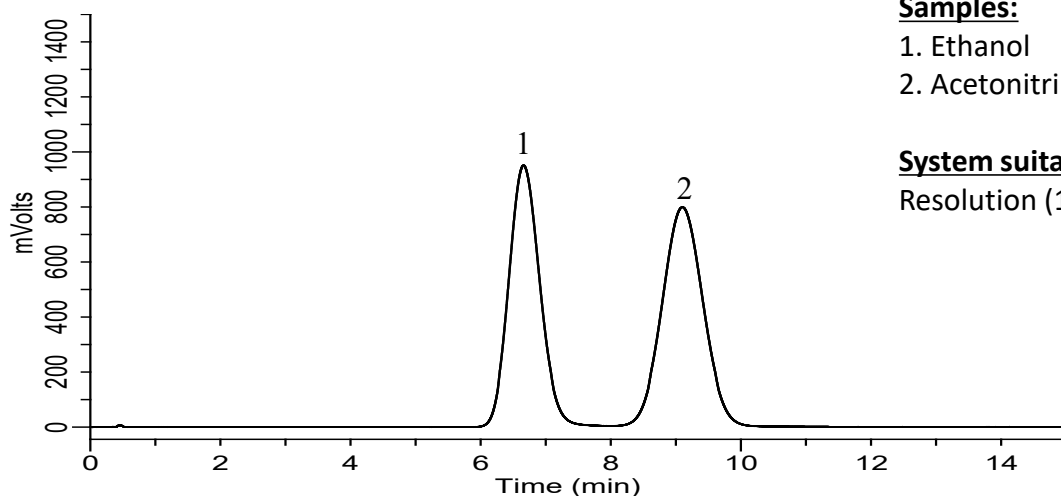


The 17th revision of Japanese Pharmacopoeia stipulates a method using gas chromatography as a method for measuring the alcohol content in products. This time, we will report the results of pretreatment and analysis with reference to "Alcohol number measurement method" test for Pharmacopoeia.

Standard Solution Analysis

< Chromatogram of standard solution >



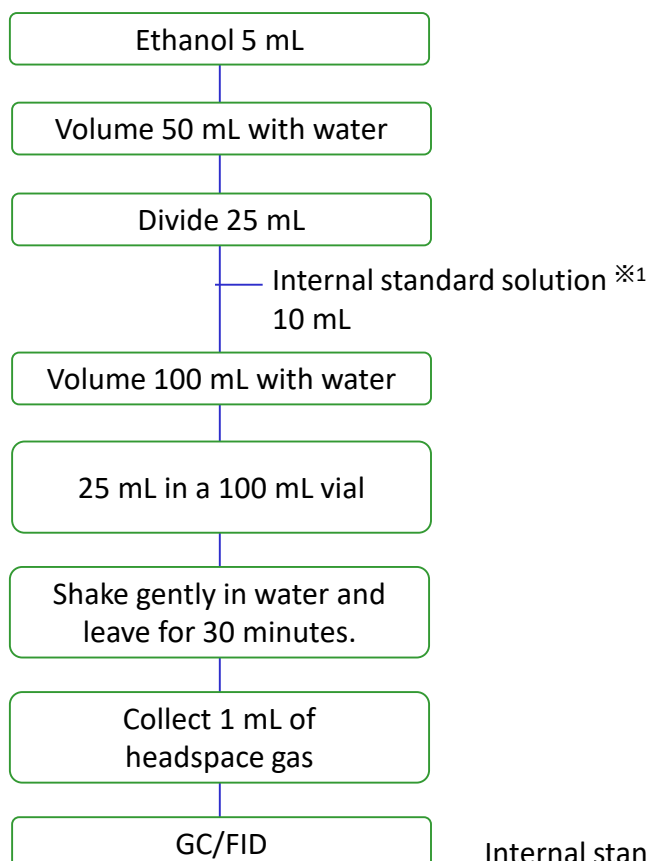
Samples:

1. Ethanol
2. Acetonitrile

System suitability

Resolution (1,2) : 2.4 (≥ 2.0)

< Standard solution pretreatment procedure >



Conditions

System : GC-FID
Column : Porapak Q 80/100
 Glass 3 mm × 1.5 m
Col. Temp. : 110 °C
Carrier Gas : N₂ 120 kPa
 (Ethanol retention time
 5-10 minutes)
Injection : 120 °C
Detection : FID Auto Range
 150 °C
Sample Size : 1 mL

Internal standard solution^{※1} : Acetonitrile solution (3→50)
 (Weigh 3 mL of acetonitrile and add water to 50 mL).

Related Products

< Vials >

Description	Cat.No.
100 mL aluminum seal vial 20 transparent glasses	1030-13113
20 mm Butyl Gum Septam for 5-125 mL 50 sheets	1030-21026
Aluminum seal OFF type for 5-125mL 50 pieces	1030-21032



<Packed column>

GL Sciences prepares packed columns that can be used for each company's GC and are compatible with the pharmacopoeia. We also provide a service to heat the filled and filled columns, let the carrier gas flow, and adding them according to the customer's request.



GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

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