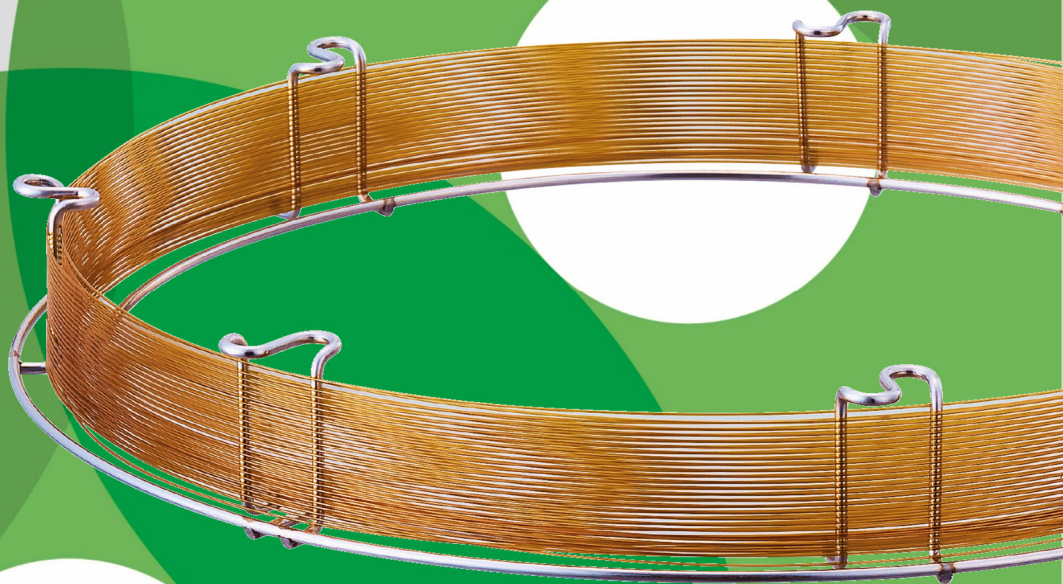




GC•GC/MS Capillary Columns

Dedicated column for ethanol analysis specified in pharmacopoeias

# InertCap 624 for Ethanol



Dedicated column for USP "Alcohol", EP "Ethanol (96 percent)", JP "Ethanol", "Anhydrous Ethanol" and "Ethanol for Disinfection"

# InertCap 624 for Ethanol

InertCap 624 for Ethanol is a dedicated column for the following pharmacopoeia tests.

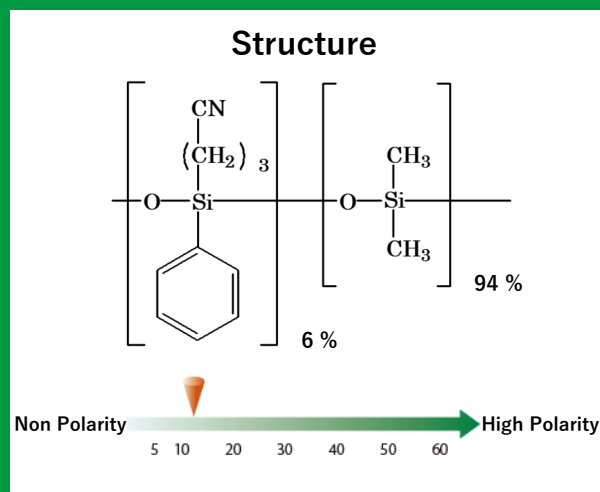
USP: Alcohol

EP: Ethanol (96 percent)

JP: Ethanol, Anhydrous Ethanol and Ethanol for Disinfection

InertCap 624 for Ethanol stably yields the resolution of 1.5 between acetaldehyde and methanol in ethanol specified in the pharmacopoeias.

- 6 % Cyanopropylphenyl - 94 % Dimethylpolysiloxane
- USP Phase G43
- Medium Polarity
- Cross-Linked
- Dedicated column for USP "Alcohol", EP "Ethanol (96 percent)", JP "Ethanol", "Anhydrous Ethanol" and "Ethanol for Disinfection"



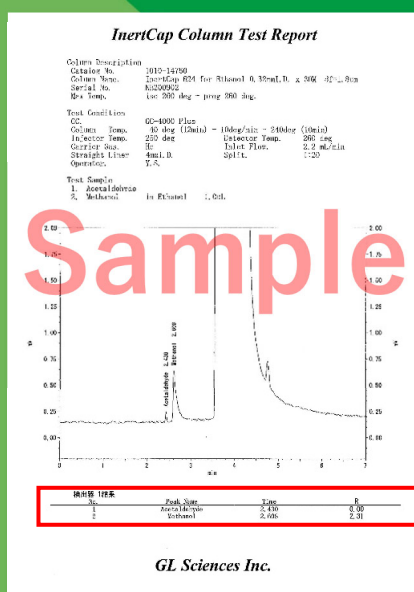
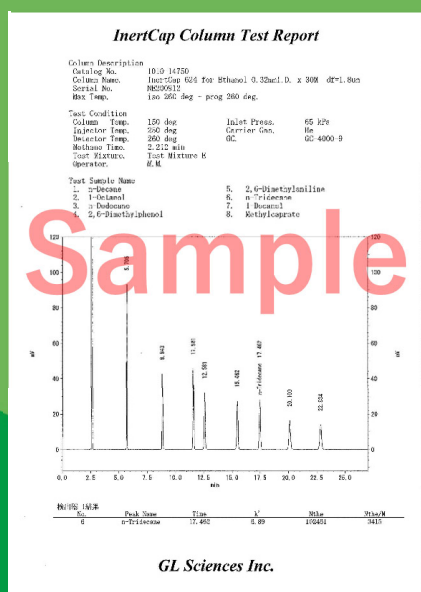
Description	I.D. (mm)	Length (m)	Film Thickness ( $\mu\text{m}$ )	Max. Temperature	Cat.No.
InertCap 624 for Ethanol	0.32	30	1.80	iso.260 °C - prog.260 °C	1010-14750

## Shipped with a test report on the ethanol analysis of the pharmacopoeias.

The GC and GC/MS capillary columns of GL Sciences includes a pre-shipment inspection report that describes the number of theoretical plates (N) and coating efficiencies (CE) to guarantee stable and high quality. In addition to the regular pre-shipment inspection report, InertCap 624 for Ethanol is shipped with a test report on the ethanol analysis of the pharmacopoeias, where the resolution between acetaldehyde and methanol is described.

Pre-shipment inspection report

Test report on the ethanol analysis of the pharmacopoeias\*

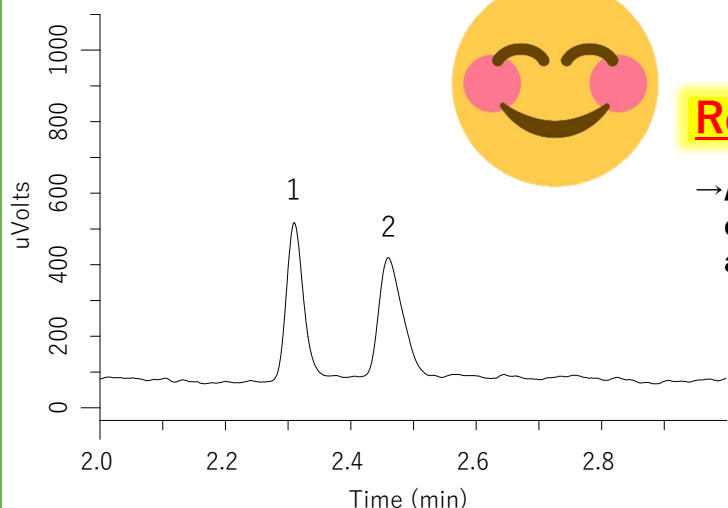


The resolution between acetaldehyde and methanol is described!

\* : The test report on the ethanol analysis only guarantees the resolution at the shipment. Peak intensities are not guaranteed.

# Comparison of InertCap 624 for Ethanol and competitors under the conditions of the ethanol analysis

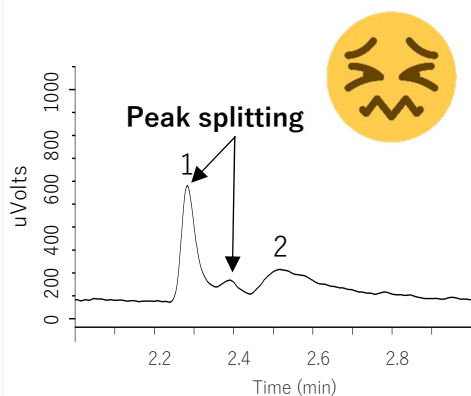
## InertCap 624 for Ethanol



### Column A

**Resolution : N/D**

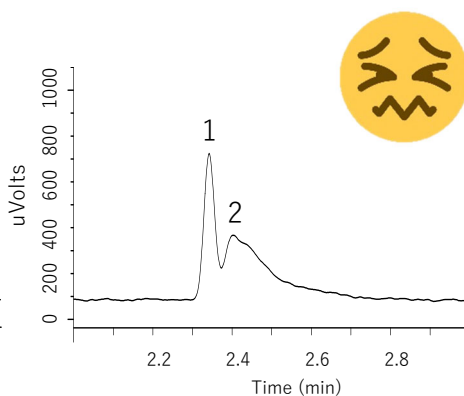
→ Resolution below requirement



### Column B

**Resolution : 0.52**

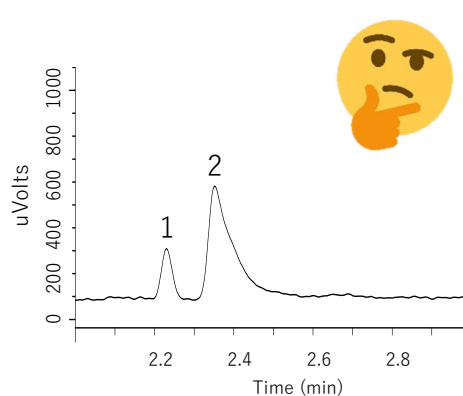
→ Resolution below requirement



### Column C

**Resolution : 1.57**

→ Resolution just above requirement. Continued use may be difficult.



System : GC-FID  
Col. Size : 0.32 mm I.D. × 30 m df = 1.80 μm  
Col. Temp. : 40 °C (12 min) - 10 °C/min - 240 °C (10 min)  
Carrier Gas : He, 35 cm/sec  
Injection : 200 °C, Split 20:1  
Detection : 280 °C  
Sample Size : 1 μL

1. Acetaldehyde  
2. Methanol

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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