

SHINWA EXPRESS

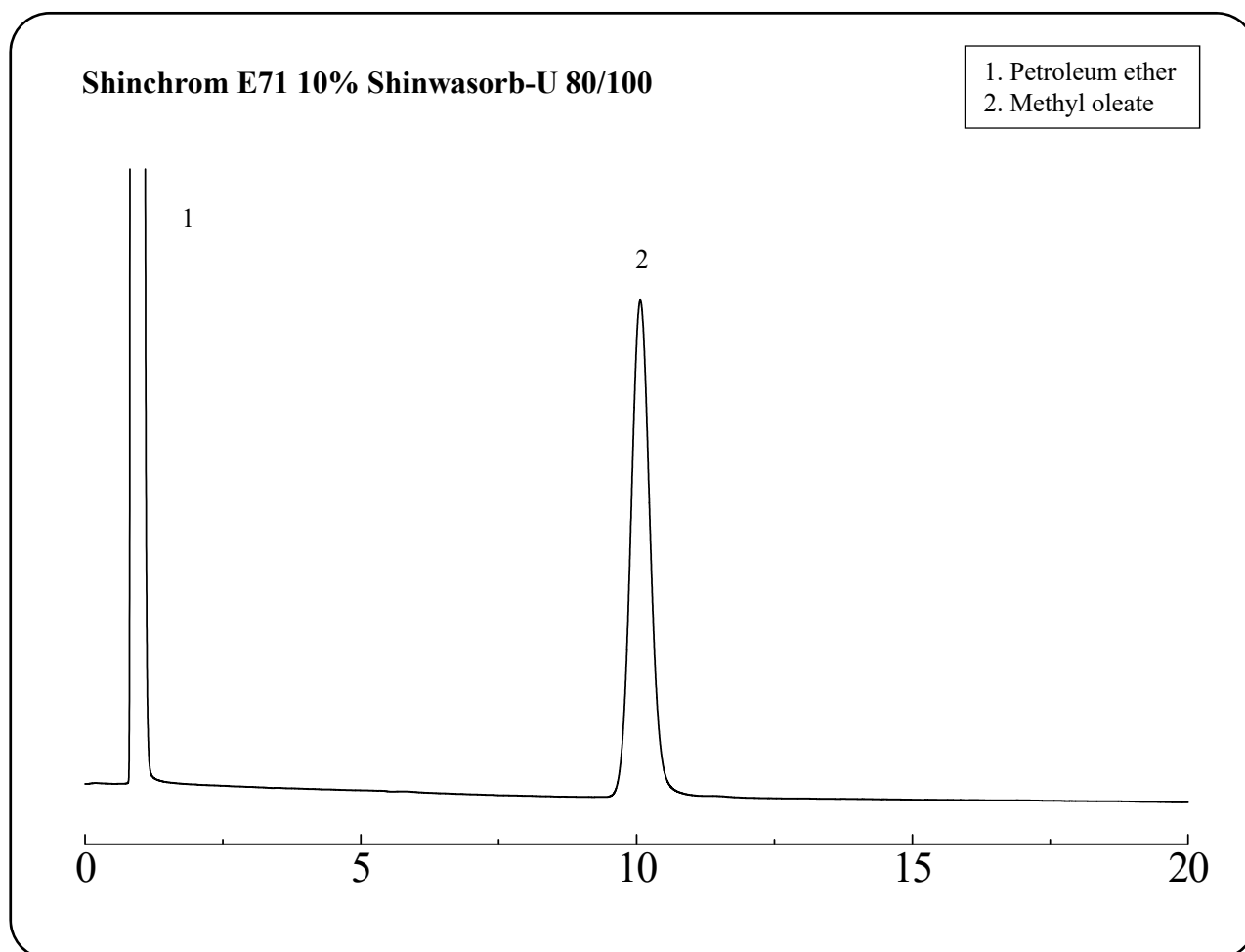
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Analysis of oleic acid using Shinwasorb

Oleic acid is a fatty acid that occurs naturally in various animal and vegetable fats and oils. Oleic acid suppresses and improves various diseases such as lifestyle diseases.

Shown below is an analysis of oleic acid performed using a column packed with a Shinwasorb packing material and in accordance with the Japanese Pharmacopoeia.



Column: 2.1 m x 3.2 mm I.D. Glass
Sample: Petroleum ether, Methyl oleate
Column temp.: 210
Injection port temp.: 250
Carrier gas: 21 mL/min He (adjust so that the retention time of oleic acid is about 10 minutes.)

Sample volume: 0.2 μ L
Detector: FID 250

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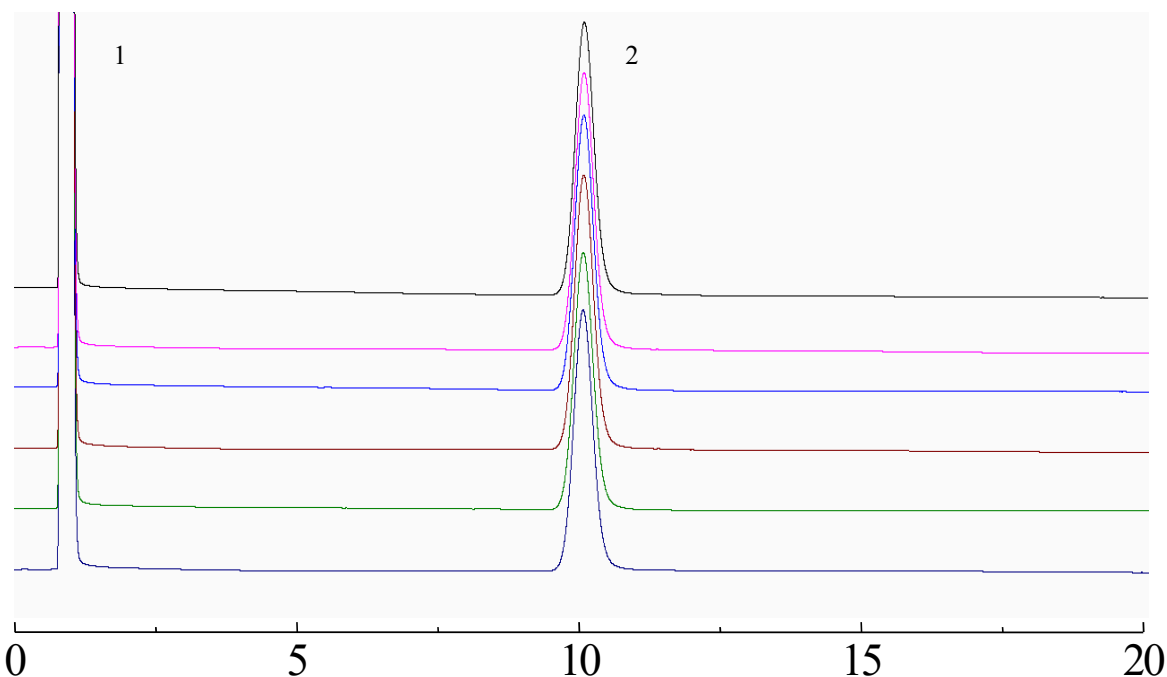
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(Reference data)

- 1. Petroleum ether
- 2. Methyl oleate

Shinchrom E71 10% Shinwasorb-U 80/100



System repeatability:

The relative standard deviation of the ratio of the peak area of methyl oleate is 1.00%.

The relative standard deviation of the ratio of the peak height of methyl oleate is 1.55%.

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Column temp.: 210
Injection port temp.: 250
Carrier gas: 21 mL/min He (adjust so that the retention time of oleic acid is about 10 minutes.)

Sample volume: 0.2 µL
Detector: FID 250

Packing material specifications and price

Product name	Weight	Price
Shinchrom E71 10% Shinwasorb-U 80/100	25 g	22,000 JPY

Packed column specifications and price

Product name	Column material	Dimensions	Price
Shinchrom E71 10% Shinwasorb-U 80/100	Glass (For GC-2014 systems)	2.1 m x 3.2 mm I.D.	61,600 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 April 24th, 2017. 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.