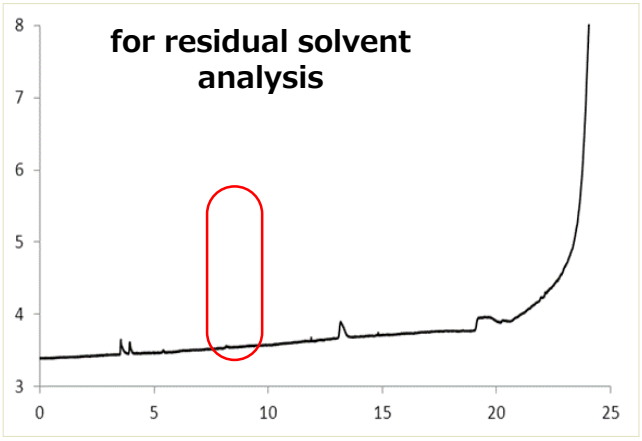
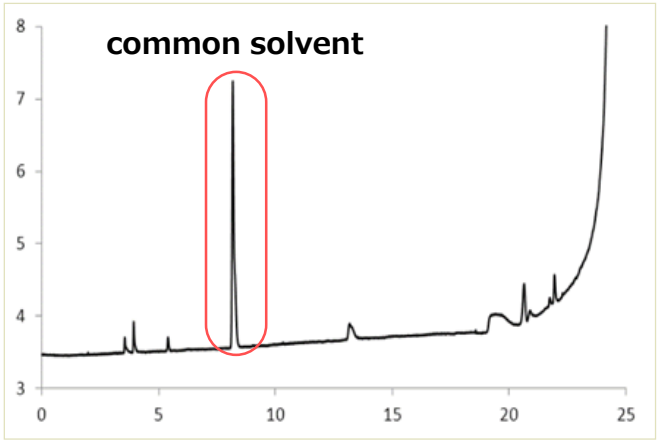
Solvent for Headspace Gas Chromatography

Residual solvent analysis measure the amount of organic solvents present in the medicinal product by gas chromatography or other, and confirm that no organic solvents are present in the medicinal or other product beyond the limit value. It confirms that no organic solvents are present in the medicinal product above the limit value. Most of the conventional general reagents on the market have not had low-boiling impurities removed and cannot be used because the impurity peaks from the reagent overlap with the peaks of the substance to be measured on the GC chart. Kanto's product contains reduced amounts of low-boiling compounds such as methanol, and its quality is guaranteed by a Kanto's unique residual solvent compatibility test.

- Reduced content of low boiling point compounds such as methanol
- Unique residual solvent compatibility test guarantees quality.
- «100mL packaging (single-use reagent series) »
  Contamination prevention, reduction of waste and effective use of storage space.

N,N-Dimethylformamide Example of GC blank





[GC measurement condition]
Column : DB-WAX (ID:0.53 mm,Length:60 m, Film Thickness:1μm)
Injection port temperature : 200℃
Split ratio : 5:1

Column temperature : 40℃ (0 min.)-3℃↑/min.-100℃ (0 min.)-10℃↑/min.-230℃ (7 min.)
Injection volume : 5μL
Detector : FID
Detector temperature : 250℃

Product List

Product name	Grade	Package	Cat. No.
Dimethyl sulfoxide	for residual solvent analysis	100 mL	10400-23
		500 mL	10400-07
N,N -Dimethylformamide	for residual solvent analysis	100 mL	10344-23
		500 mL	10344-07
		1 L	10344-79
N -Methyl-2-pyrrolidinone	for residual solvent analysis	100 mL	25336-24
		500 mL	25336-02
		1 L	25336-67
1,3-Dimethyl-2-imidazolidinone	for residual solvent analysis	500 g	11208-07

■ Primepure™ series, High purity solvent

Primepure™ series are highest quality reagent with in commercially available.
Reduced metal(more than 20 elements) and organic impurities. Useful for testing for elemental impurities and improving the final process of pharmaceutical products.

Product Name	Grade	Package	Cat. No.
Acetone	Primepure™(M,Org)	1L	01060-79
Acetonitrile	Primepure™(M)	1L	01149-79
2-Acetoxy-1-methoxypropane	Primepure™(M)	1L	01948-79
2-Butanone	Primepure™(M)	1L	25258-79
Butyl acetate	Primepure™(M)	1L	04349-79
tert-Butyl methyl ether	Primepure™(M,Nvm)	1L	04418-79
Chloroform	Primepure™(M,Nvm)	1L	07278-79
Cyclohexane	Primepure™(M,Org)	1L	07547-79
Dichloromethane	Primepure™(M)	1L	10158-79
Diisopropyl ether	Primepure™(M)	1L	32463-79
N,N-Dimethylformamide	Primepure™(M,Org)	1L	11720-79
1,4-Dioxane (1,4=p)	Primepure™(M)	1L	10425-79
Ethanol	Primepure™(M)	1L	14032-79
Ethyl acetate	Primepure™(M,Nvm,Org)	1L	14029-79
Heptane (*n*-Heptane)	Primepure™(M,Nvm)	1L	18512-79
Hexane	Primepure™(M,Nvm)	1L	18635-79

※(M): Metal Impurities, (Org): Organic Impurities, (Nvm): Non-volatile matters

■ Solvent for HPLC (for pharmaceutical testing)

Based on the Japanese Pharmacopoeia (JP) reagent standards, we have set our own standards, and have added the US Pharmacopoeia (USP) and European Pharmacopoeia(EP) reagent standards.

Product Name	Note	Package	Cat. No.
Acetonitrile -Plus-	Conforms to Reag.JP※,Reag.USP※2, Reag.Ph Eur※4	1 L	01858-79
		3 L	01858-76
Methanol -Plus-	Conforms to Reag.JP※1, Reag.USP※2, Reag.Ph Eur※5	1 L	25190-79
		3 L	25190-76
Tetrahydrofuran, stabilizer free	Conforms to Reag.JP※1,Reag.USP※3	3 L	40060-76

※1 : Our own standards based on the JP reagent standards
※2 : ACS General Use, ACS Specific Use
※3 : ACS General Use
※4 : EP Reagent Acetonitrile, EP Reagent Acetonitrile for chromatography, EP Reagent Acetonitrile R1
※5 : EP Reagent Methanol, EP Reagent Methanol R1, EP Reagent Methanol R2

KANTO CHEMICAL CO., INC.
REAGENT DIVISION
2-1, Nihonbashi Muromachi 2-chome, Chuo-ku, Tokyo, 103-0022, Japan
TEL : +81-3-6214-1092
E-mail : kanto-61@kanto.co.jp
Website: https://www.kanto.co.jp