

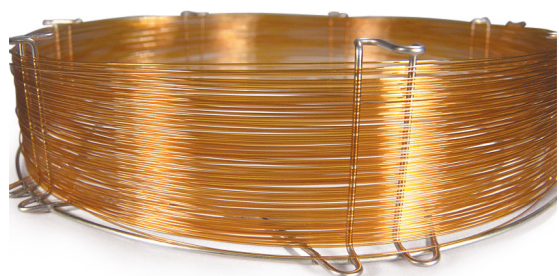
Reference Substances for GC

Carl ROTH offers a broad range of reference substances for gas chromatography. Batch-related certificates of analysis of the **ROTICHROM® GC** reference substances are produced with GC chromatogram and are available online.





































Reference Substances

Product name	Purity (GC)	Art. No.	Pack Qty.
Acetic acid L-bornyl ester	≥95 %	9009.2	100 mg
Acetic acid linalyl ester	≥95 %	5199.2	100 mg
Acetic acid (L)-menthyl ester	≥98 %	5189.1	1 g
(-)-Borneol	≥98 %	8495.2	100 mg
(+)-Borneol	≥96 %	8903.1	100 mg
Butyric acid methyl ester	≥96 %	5186.1	1 g
Camphene	≥90 %	5288.2	100 mg
(+/-)-Camphor	≥95 %	4329.1	1 g
δ-3-Carene	≥90 %	3572.1	1 g
(+)-Carvone	≥98 %	6947.2	100 mg
β-Caryophyllene	≥98 %	7232.2	100 mg
(-)-α-Cedrene	≥95 %	8908.1	100 mg
1,4-Cineole	≥98 %	5833.2	100 mg
Citral	≥95 %	5292.1	1 g
Coumarin	≥99 %	5284.1	1 g
Eucalyptol	≥98 %	6938.2	100 mg
Eugenol	≥99 %	6941.1	1 g
Eugenol methyl ether	≥95 %	5073.1	1 g
(-)-Fenchone	≥96 %	9377.2	100 mg
α-Humulene	≥93 %	9385.1	100 mg
Isomenthone	≥85 %	6458.1	1 g
Isopulegol	≥99 %	8030.2	100 mg
D-(+)-Limonene	≥98 %	5198.2	100 mg
Linalool	≥96,5 %	5201.2	100 mg
Linoleic acid	≥94 %	5315.1	1 g
Linoleic acid ethyl ester	≥98,5 %	3198.1	1 g
Linoleic acid methyl ester	≥99 %	3199.1	1 g
Linolenic acid	≥99 %	5320.1	1 g
(-)-Menthol	≥95 %	9061.1	1 g
Methylchavicol	≥97 %	9413.2	100 mg
1-Octanol	≥98 %	3182.1	1 g
Oleic acid	≥99 %	5362.1	1 g
Oleic acid methyl ester	≥99 %	3186.1	1 g
(+)-α-Pinene	≥98 %	3857.2	100 mg
(-)-α-Pinene	≥99 %	5170.2	100 mg
β-Pinene	≥90 %	5172.1	1 g
Piperitone	≥96 %	5174.1	1 g
(+)-Pulegone	≥95 %	5168.2	100 mg
Sabinene	≥98,5 %	7188.2	100 mg
Senecionine	≥96 %	2261.1	10 mg
Squalene	≥98 %	3185.1	1 g
α-Terpinene	≥95 %	8038.2	100 mg
γ-Terpinene	≥97,0 %	8039.2	100 mg
α-Terpineol	≥96 %	5152.2	100 mg
Terpinolene	≥95 %	5166.2	100 mg
Thymol	≥96 %	3209.1	1 g
n-Valeric acid methyl ester	≥99 %	1YL4.1	100 mg
		1YL4.2	1 g
Vanillin	≥99 %	5108.1	1 g

For safety information and additional data, see our current catalogue or at www.carlroth.com / www.carlroth.ch



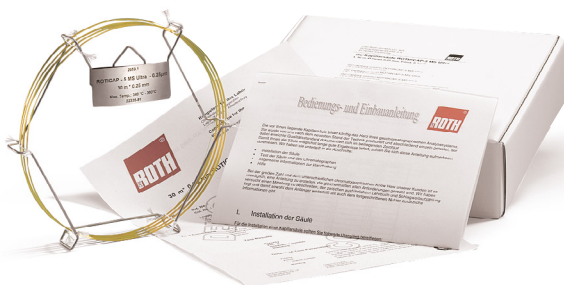
Solvents Standards

Structural formula	Product name	Art. No.	Pack Qty.
	Acetic acid <i>n</i> -butyl ester	1YH2.1	5 ml
	Acetic acid ethyl ester	1YH3.1	5 ml
	Acetic acid isobutyl ester	1YH4.1	5 ml
	Acetic acid methyl ester	1YH5.1	5 ml
	Acetonitrile	1YE8.1	5 ml
	Anisole	1YE9.1	5 ml
	Benzene	1YEA.1	5 ml
	1-Butanol	1YEC.1	5 ml
	2-Butanone	1YEH.1	5 ml
	<i>tert</i> -Butyl methyl ether	1YEK.1	5 ml
	Chlorobenzene	1YEL.1	5 ml
	Cyclohexane	1YEN.1	5 ml
	Diethyl ether	1YET.1	5 ml
	<i>N,N</i> -Dimethylacetamide (DMA)	1YEX.1	5 ml
	<i>N,N</i> -Dimethylformamide (DMF)	1YEY.1	5 ml
	Dimethyl sulphoxide (DMSO)	1YH0.1	5 ml
	1,4-Dioxane	1YH1.1	5 ml
	Ethanol	1YH6.1	5 ml
	2-Ethoxyethanol	1YH7.1	5 ml
	Ethylbenzene	1YH8.1	5 ml
	<i>n</i> -Heptane	1YH9.1	5 ml
	<i>n</i> -Hexane	1YHA.1	5 ml
	Methanol	1YHC.1	5 ml
	2-Methyl-1-propanol	1YHE.1	5 ml
	<i>N</i> -Methyl-2-pyrrolidone (NMP)	1YHH.1	5 ml
	<i>n</i> -Pentane	1YHK.1	5 ml
	1-Pentanol	1YHL.1	5 ml
	1-Propanol	1YHN.1	5 ml
	2-Propanol	1YHP.1	5 ml
	Pyridine	1YHT.1	5 ml
	Tetrahydrofuran	1YHX.1	5 ml
	Tetrahydronaphthalene	1YHY.1	5 ml
	Toluene	1YK0.1	5 ml
	Trichloromethane/Chloroform	1YK1.1	5 ml
	Xylene (isomers)	1YK2.1	5 ml
	<i>o</i> -Xylene	1YK3.1	5 ml

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Gas Chromatography Product Overview

ROTI®Cap High Performance Capillary Columns

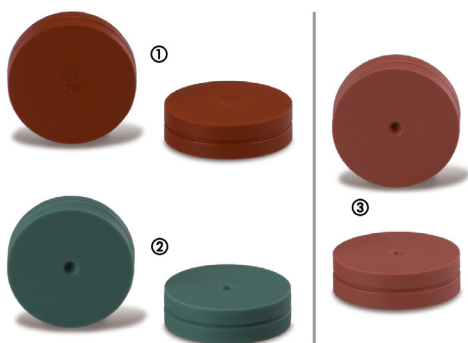


Solvents for GC



GC Accessories

Injection Port Septa



ROTISOLV® GC Ultra Grade

for gaschromatographic and residue analysis

ROTISOLV® Pestilyse® plus

for determination of dioxines, furanes, PCBs, pesticides, hydrocarbons and further pollutants

ROTISOLV® Pestilyse®

for residue and environmental analysis

ROTISOLV® Headspace Grade

for analyses of organic volatile impurities (O.V.I.)

Diamond File for Cutting of Fused Silica Capillaries



Universal Glass Connections for Fused Silica Capillaries



Derivatisation Reagents for GC

Derivatisation reagents are used mainly in gas chromatography when adequate volatility or stability of the substances to be separated is required.

Current prices at www.carlroth.com / www.carlroth.ch

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