



实验室分析试剂 Laboratory Analytical Reagents

Solvents GR for analysis 优级纯分析溶剂

GR分析溶剂可用在多数常规实验室中，此外这些产品也经常用在生产领域。

默克一直提供全面丰富的产品规格，不仅可以覆盖重要的分析领域也顾及了额外的潜在应用。比如低金属含量可以确保其应用于火焰光度测定。(Flame photo metric measurements)

国际化的规则和标准在分析和检测方面变得日益重要，尤其是在制药工业领域指定的试剂纯度越来越高，例如，用于药厂中质量控制的试剂。默克可以提供ACS级别以及PhEur级别的试剂。为了达到这样高的要求，我们应用了最新的和有保证的分析方法。因此，对于药厂的质量控制，默克可以提供最安全的分析溶剂。

给您带来的好处

最好的产品规范，使应用领域更广、更可靠

符合国际标准要求 (如 ACS, Reag. PhEur, ISO)

多规格包装并可提供配套分液系统以及配件

GR分析溶剂 Solvents GR for Analysis A-B

名称	纯度(GC) min. [%]	蒸发残留 max. [%]	水 max. [%]	杂质 max. [%]	容量/包装	订货号
A Acetone ACS, ISO, Reag. PhEur 丙酮	99.8	0.0005	0.05	Ethanol 0.01 Methanol 0.05 2-Propanol 0.05 Aldehydes 0.001	1 l GL	1.00014.1000
					1 l PE	1.00014.1011
					2.5 l GL	1.00014.2500
					2.5 l PE	1.00014.2511
					4x4 l GL	1.00014.4004
					5 l PE	1.00014.5000
					10 l ST	1.00014.6010
					25 l ST	1.00014.6025
					25 l ST	1.00014.9025
					180 l ME	1.00014.9180
190 l ME	1.00014.6190					
Acetonitrile ACS, Reag. PhEur 乙腈	99.5	0.001	0.1		1 l GL 2.5 l GL 4x4 l GL 10 l ST 25 l ST 25 l ME	1.00003.1000 1.00003.2500 1.00003.4004 1.00003.6010 1.00003.6025 1.00003.9025
Acetyl acetone 乙酰基酮	99.0	0.005	0.1		100 ml GL 500 ml GL	1.09600.0100 1.09600.0500
n-Amyl alcohol (1-Pentanol) 正戊醇	98.5	0.005	0.1	Valerian aldehyde 0.05	1 l GL 2.5 l GL	1.00975.1000 1.00975.2500
Aniline 苯胺	99.5		0.1	Nitrobenzene 0.003	250 ml GL 1 l GL	1.01261.0250 1.01261.1000
B Benzene ACS, ISO, Reag. PhEur 苯	99.7	0.001	0.03	Thiophene 0.0001	1 l GL	1.01783.1000
					2.5 l GL	1.01783.2500
					25 l ST	1.01783.6025
Benzyl alcohol 苯甲醇	99.5		0.1	Benzylaldehyde 0.1 Peroxide 0.001	1 l GL	1.09626.1000
					2.5 l GL	1.09626.2500
					25 l ST	1.09626.6025
1-Butanol ACS, ISO, Reag. PhEur 丁醇	99.5	0.001	0.1	Dibutylether 0.1 Butylaldehyde 0.01 Isobutanol 0.15	1 l GL	1.01990.1000
					2.5 l GL	1.01990.2500
					10 l ST	1.01990.6010
					25 l ST	1.01990.6025
2-Butanol 异丁醇	99.0	0.001	0.2	tert-Butanol 0.1 2-Propanol 0.2 Ethylmethylether 0.1 Dibutylether 0.2	1 l GL	1.09630.1000
					2.5 l GL	1.09630.2500
tert-Butanol ACS, Reag. PhEur 叔丁醇	99.5	0.001	0.1		500 ml GL	1.09629.0500
					5 l AL	1.09629.5000
					25 l ME	1.09629.9025
n-Butyl acetate 乙酸丁酯	99.5	0.001	0.1	n-Butanol 0.2 n-Butylformiate 0.1 n-Butylpropionat 0.1	1 l GL	1.09652.1000
					2.5 l GL	1.09652.2500
					10 l ST	1.09652.6010
tert-Butyl methyl ether 叔丁基甲醚	99.5	0.001	0.03		1 l GL	1.01849.1000
					2.5 l GL	1.01849.2500

GL = glass bottle 玻璃瓶 AL = aluminium bottle 铝瓶 ST = stainless steel drum 不锈钢桶 PE = polyethylene bottle 聚乙烯瓶 ME = one-way vessel 一次性容器

GR分析溶剂 Solvents GR for Analysis C-D

名称	纯度(GC) min. [%]	蒸发残留 max. [%]	水 max. [%]	杂质 max. [%]	容量/包装	订货号
C Carbon disulfide ACS, Reag. PhEur 二硫化碳	99.9	0.001	0.01	Sulfite 0.00025 Sulphate 0.0002 Sulfur 0.0001 Benzene 0.001	1 l GL	1.02214.1000
Carbon tetrachloride 四氯化碳	99.8	0.001	0.02	Dichloromethane 0.05 Trichloromethane 0.05 Trichloroethylene 0.05 Tetrachloroethylene 0.05 Chloroform 0.05 Carbon disulfide 0.001	1 l GL 2.5 l GL	1.02222.1000 1.02222.2500
Carbon tetrachloride, ISO for determinations with dithizone 四氯化碳	99.9	0.001	0.02	Carbon disulfide 0.001 Dichloromethane 0.05 Tetrachloroethylene 0.05 Trichloroethylene 0.05 Sulfur 0.005 Chloroform 0.05	1 l GL	1.02208.1000
Chloroform ACS, ISO, Reag. PhEur, stabilised 氯仿	99.0-99.4	0.001	0.01	Chloride 0.00002 Dichloromethane 0.01 Trichloroethylene 0.01 Tetrachloroethylene 0.01 Tetrachloromethane 0.01 Carbontetrachloride 0.01	250 ml 1 l GL 2.5 l GL 4x4 l GL 10 l ST 25 l ST 190 l ME	1.02445.0250 1.02445.1000 1.02445.2500 1.02445.4004 1.02445.6010 1.02445.6025 1.02445.9190
Chloroform, stabilised for determinations with dithizone 氯仿	99.0-99.4	0.001	0.01	Chloride 0.0001 Dichloromethane 0.01 Trichloroethylene 0.01 Tetrachloroethylene 0.01	1 l GL 2.5 l GL	1.02442.1000 1.02442.2500
Cyclohexane ACS, ISO, Reag. PhEur 环己烷	99.5	0.001	0.01	Aromatics 0.05 Cyclohexene 0.05 Ethanol 0.01	1 l GL 2.5 l GL 10 l ST 25 l ST	1.09666.1000 1.09666.2500 1.09666.6010 1.09666.6025
D 1,2-Dichlorobenzene for extraction analysis 1,2-二氯苯	99.0		0.01	Chlorides 0.0001	1 l GL 2.5 l GL	1.02930.1000 1.02930.2500
Dichloromethane ACS, ISO, Reag. PhEur stabilised 二氯甲烷	99.8	0.001	0.01	Chloroform 0.005 Carbon tetrachloride 0.005 Methanol 0.1 Ethanol 0.02	1 l GL 2.5 l GL 4x4 l GL 10 l ST 25 l ST 25 l ME 190 l ME	1.06050.1000 1.06050.2500 1.06050.4004 1.06050.6010 1.06050.6025 1.06050.9025 1.06050.9190
Diethanolamine 二乙醇胺	99.5		0.25	Chloride 0.0005 Ethanolamine 0.3 Triethanolamine 0.3	1 l PE	1.16205.1000

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实验室分析试剂 Laboratory Analytical Reagents

GR分析溶剂 Solvents GR for Analysis D-E

名称	纯度(GC) min. [%]	蒸发残留 max. [%]	水 max. [%]	杂质 max. [%]	容量/包装	订货号
D Diethylether ACS, ISO, Reag. PhEur stabilised 二乙醚	99.7	0.0005	0.03	Acetone 0.005	1 l GL	1.00921.1000
				Ethanol 0.02	2.5 l GL	1.00921.2500
				Methanol 0.02	5 l GL	1.00921.5000
				Peroxides 0.000015	10 l ST	1.00921.6010
				Chloride 0.00003	25 l ST	1.00921.6025
				Sulphate 0.00003	25 l ME	1.00921.9025
					190 l ME	1.00921.9190
Diisopropyl ether ACS, Reag. PhEur stabilised 二异丙基醚	99.0	0.005	0.05	Peroxides 0.001	1 l GL	1.00867.1000
					2.5 l GL	1.00867.2500
					10 l ST	1.00867.6010
N,N-Dimethylformamide ACS, ISO, Reag. PhEur N,N-二甲基甲酰胺	99.8	0.001	0.1		1 l GL	1.03053.1000
					1 l PE	1.03053.1001
					2.5 l GL	1.03053.2500
					2.5 l PE	1.03053.2511
					10 l ST	1.03053.6010
					25 l ST	1.03053.6025
					190 l ST	1.03053.6190
N,N-Dimethylformamide LAB N,N-二甲基甲酰胺	99.5	0.001	0.1		1 l GL	1.03034.1000
					1 l PE	1.03034.1001
					2.5 l GL	1.03034.2500
					2.5 l PE	1.03034.2511
					25 l GL	1.03034.6025
Dimethyl sulfoxide ACS 二甲亚砜	99.9	0.001	0.1		1 l GL	1.02952.1000
					1 l PE	1.02952.1001
					2.5 l GL	1.02952.2500
					2.5 l PE	1.02952.2511
1,4-Dioxane ACS, ISO, stabilised 1,4-二氧杂环	99.5	0.001	0.05	Acetaldehyde 0.005	250 ml GL	1.09671.0250
				Formaldehyde 0.05	1 l GL	1.09671.1000
				Peroxides 0.005	2.5 l GL	1.09671.2500
				Carbonyl compounds 0.01	25 l ST	1.09671.6025
E Ethanol absolute ACS, ISO, Reag. PhEur 乙醇	99.9	0.0005	0.1	Acetone 0.001	1 l GL	1.00983.1000
				Isoamylalcohol 0.05	1 l PE	1.00983.1011
				Methanol 0.02	2.5 l GL	1.00983.2500
				2-Propanol 0.003	2.5 l PE	1.00983.2511
				Benzene 0.0002	5 l PE	1.00983.5000
				Carbonyl compounds 0.003	10 l ST	1.00983.6010
				Acetaldehyde and Acetol 0.001	25 l ST	1.00983.6025
					180 l ME	1.00983.9180
Ethanol denatured with about 1% methyl ethyl ketone 乙醇	99.5	0.001	0.1		1 l PE	1.00974.1011
					2.5 l PE	1.00974.2511
					25 l ST	1.00974.6025
					25 l ME	1.00974.9025
					180 l ME	1.00974.9180
Ethanolamine 乙醇胺	99.5		0.2	Diethanolamine 0.1	1 l PE	1.00845.1000
				Triethanolamine 0.1	2.5 l PE	1.00845.2500

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GR分析溶剂 Solvents GR for Analysis E-H

名称	纯度(GC) min. [%]	蒸发残留 max. [%]	水 max. [%]	杂质 max. [%]	容量/包装	订货号
E Ethyl acetate ACS, Reag. PhEur 乙酸乙酯	99.5	0.001	0.05	Methanol 0.1 Ethanol 0.1 Methylacetate 0.1	1 l PE	1.09623.1000
					2.5 l PE	1.09623.2500
					10 l ST	1.09623.6010
					25 l ST	1.09623.6025
					25 l ME	1.09623.9026
180 l ME	1.09623.9181					
Ethylene glycol Reag. PhEur 乙二醇	99.5		0.1	Chlorides 0.0002 Formaldehyde 0.005	1 l PE	1.09621.1000
					2.5 l PE	1.09621.2500
					10 l ST	1.09621.6010
					25 l ST	1.09621.6025
Ethylene glycol monomethyl ether ACS, Reag. PhEur 乙二醇单甲醚	99.5	0.003	0.1	Aldehydes 0.003 Peroxides 0.002	1 l GL	1.00859.1000
					2.5 l GL	1.00859.2500
Ethyl methyl ketone ACS, Reag. PhEur 乙基甲基酮	99.5	0.001	0.05	2-Butanol 0.05 Acetone 0.05 Methanol 0.05 2-Methylpropan-2-ol 0.1	1 l GL	1.09708.1000
					2.5 l GL	1.09708.2500
					25 l ST	1.09708.6025
F Formamide ACS, Reag. PhEur 甲酰胺	99.5		0.1	Chlorides 0.0001	1 l GL	1.09684.1000
					2.5 l GL	1.09684.2500
G Glycerol about 87% 丙三醇	86.0-88.0		12-14	Chlorides 0.0001 Fatty acid esters 0.05 Sulphate 0.0005 Aldehydes 10 ppm Ammonium 0.0005	500 ml PE	1.04094.0500
					1 l PE	1.04094.1000
					2.5 l PE	1.44094.2500
					25 l PE	1.04094.9026
Glycerol ACS, Reag. PhEur 丙三醇	99.5		0.5	Aldehydes 0.001 Chloride 0.001 Sulphate 0.001	1 l PE	1.04092.1000
					2.5 l PE	1.04092.2500
					10 l PE	1.04092.9010
H n-Heptane Reag. PhEur 正庚烷	99.0	0.001	0.01	Sulfur compounds 0.005 Aromatic hydrocarbons 0.1	1 l GL	1.04379.1000
					2.5 l GL	1.04379.2500
					2.5 l PE	1.04379.2511
					10 l ST	1.04379.6010
					25 l ST	1.04379.6025
n-Hexane ACS 正己烷	99.0	0.001	0.005	Aromatics 0.01 Sulfur 0.005 Thiophene conf.	1 l GL	1.04367.1000
					2.5 l GL	1.04367.2500
					2.5 l PE	1.04367.2511
					10 l ST	1.04367.6010
					25 l ST	1.04367.6025
					190 l ME	1.04367.9190
n-Hexane ACS 正己烷	99.0	0.001	0.005	Aromatics 0.01 Sulfur 0.005 Thiophene conf.	1 l GL	1.04367.1000
					2.5 l GL	1.04367.2500
					10 l ST	1.04367.6010
					25 l ST	1.04367.6025
					190 l ST	1.04367.6190
					190 l ME	1.04367.9190
n-Hexane ACS, Reag. PhEur 正己烷	96.0	0.001	0.01	Aromatics 0.01 Sulfur 0.005 Thiophene conf.	1 l GL	1.04374.1000
					2.5 l GL	1.04374.2500
					2.5 l PE	1.04374.2511
					4x4 l GL	1.04374.4004
					10 l ST	1.04374.6010
					190 l ME	1.04374.9190



实验室分析试剂 Laboratory Analytical Reagents

GR分析溶剂 Solvents GR for Analysis I-P

名称	纯度(GC) min. [%]	蒸发残留 max. [%]	水 max. [%]	杂质 max. [%]	容量/包装	订货号
I Isoamyl alcohol ACS, Reag. PhEur 异戊醇	99.0	0.002	0.2	n-Amyl alcohol 0.5 Furfural 0.0001	1 l GL	1.00979.1000
					2.5 l GL	1.00979.2500
Isoamyl alcohol (mixture of isomers) for determination of fat acc. to Gerber 异戊醇异构体混合物	98.0		0.3		1 l GL	1.00978.1000
					10 l ST	1.00978.6010
Isobutanol ACS, Reag. PhEur 异丁醇	99.0	0.001	0.05	Isobutylaldehyde 0.05 n-Butylalcohol 0.1 2-Butanol 0.05 Ethylmethylketone 0.02 Butyraldehyde 0.01 Peroxides 0.001	1 l GL	1.00984.1000
					2.5 l GL	1.00984.2500
Isobutyl methyl ketone ACS, Reag. PhEur for extraction analysis 异丁基甲基酮 (萃取分析用)	99.0	0.001	0.1		1 l GL	1.06146.1000
					2.5 l GL	1.06146.2500
Isohexane 异己烷	95.0	0.001	0.01	n-Hexane 5 Aromatics 0.01 Sulfur 0.005 Thiophene 0.0001	1 l GL	1.04333.1000
					2.5 l GL	1.04333.2500
Isooctane ACS, Reag. PhEur 异辛烷	99.5	0.001	0.01	Sulfur 0.005	1 l GL	1.04727.1000
					2.5 l GL	1.04727.2500
					10 l ST	1.04727.6010
					25 l ST	1.04727.6025
M Methanol ACS, ISO, Reag. PhEur 甲醇	99.9	0.0005	0.05	Ethanol 0.05 Acetone 0.001 Acetaldehyde 0.001 Formaldehyde 0.001 Carbonyl compounds 0.001 Chloride 0.5 ppm Sulphate 1 ppm	1 l GL	1.06009.1000
					1 l PE	1.06009.1011
					2.5 l GL	1.06009.2500
					2.5 l PE	1.06009.2511
					5 l PE	1.06009.5000
					10 l ST	1.06009.6010
					25 l ST	1.06009.6025
					25 l ME	1.06009.9025
180 l ME	1.06009.9180					
P n-Pentane 正戊烷	99.0	0.001	0.01	Sulfur 0.005	1 l GL	1.07177.1000
					2.5 l GL	1.07177.2500
					10 l ST	1.07177.6010
Petroleum 石油精			0.01	Aromatics 0.2 Sulfur 0.005	1 l GL	1.09718.1000
					2.5 l GL	1.09718.2500
					25 l ST	1.09718.6025

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订货信息 GR分析溶剂 Solvents GR for Analysis P-T

名称	纯度(GC) min. [%]	蒸发残留 max. [%]	水 max. [%]	杂质 max. [%]	容量/包装	订货号
P Petroleum benzene boiling range 30–50 °C 石油醚		0.003	0.01	Aromatics 0.01 Sulfur 0.005	1 l GL 2.5 l GL	1.01786.1000 1.01786.2500
	Petroleum benzene ACS, ISO boiling range 40–60 °C 石油醚	0.001	0.01	Aromatics 0.02 Sulfur 0.005 Peroxide 0.3	1 l GL 2.5 l GL 5 l AL 10 l ST 25 l ST 25 l ME	1.01775.1000 1.01775.2500 1.01775.5000 1.01775.6010 1.01775.6025 1.01775.9025
Petroleum benzene boiling range 60–80 °C 石油醚		0.001	0.01	Aromatics 0.005 Sulfur 0.005	1 l GL 2.5 l GL 5 l AL 10 l ST	1.01774.1000 1.01774.2500 1.01774.5000 1.01774.6010
	Petroleum benzene boiling range 80–100 °C 石油醚	0.001	0.01	Aromatics 0.005 Sulfur 0.005	1 l GL	1.01777.1000
Petroleum benzene boiling range 100–120 °C 石油醚		0.001	0.01	Aromatics 0.002 Sulfur 0.005	1 l GL	1.01781.1000
Piperidine 哌啶	99.0	0.01	0.3	Picolene 0.1 Pyridine 0.3	100 ml GL 500 ml GL	1.09724.0100 1.09724.0500
1-Propanol ACS, Reag. PhEur 丙醇	99.5	0.001	0.05	Ethanol 0.01	1 l GL	1.00997.1000
				Aceton 0.01 Methanol 0.01 2-Propanol 0.05 Aldehydes and Ketones 0.03	2.5 l GL 25 l ST	1.00997.2500 1.00997.6025
2-Propanol ACS, ISO, Reag. PhEur 异丙醇	99.8	0.001	0.05	Methanol 0.01	1 l GL	1.09634.1000
				Acetone 0.01	1 l PE	1.09634.1011
				Ethanol 0.01	2.5 l GL	1.09634.2500
				Isopropylether 0.01	2.5 l PE	1.09634.2511
				1-Propylalcohol 0.1	5 l PE	1.09634.5000
				Chloride 300 ppb	10 l ST	1.09634.6010
				Nitrate 300 ppb	25 l ST	1.09634.6025
				Phosphate 500 ppb	25 l ME	1.09634.9025
				Sulphate 1000 ppb	180 l ME	1.09634.9180
				Carbonyl compounds 0.002	190 l ST	1.09634.6190
Pyridine ACS, Reag. PhEur 吡啶	99.5	0.002	0.1	Piperidine 0.01	100 ml GL	1.09728.0100
				Ammonia 0.002	500 ml GL	1.09728.0500
				2-Picoline 0.2	1 l GL	1.09728.1000
				Chloride 0.0005	2.5 l GL	1.09728.2500
				Sulphate 0.0005	25 l ST	1.09728.6025
					190 l ME	1.09728.9190
T Tetrahydrofuran ACS, Reag. PhEur stabilised 四氢呋喃	99.8	0.0005	0.03	Peroxides 0.005	1 l GL	1.09731.1000
					2.5 l GL	1.09731.2500
					10 l ST	1.09731.6010
					25 l ST	1.09731.6025
					190 l ME	1.09731.9190
Toluene ACS, ISO, Reag. PhEur 甲苯	99.9	0.0005	0.03	Thiophene 0.0001	1 l GL	1.08325.1000
				Sulfur 0.003	2.5 l GL	1.08325.2500
				Benzene 0.005	2.5 l PE	1.08325.2511
				Chloride 0.5 ppm	4 l GL	1.08325.4004
				Sulphate 1 ppm	10 l ST	1.08325.6010
					25 l ST 190 l ME	1.08325.6025 1.08325.9190

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订货信息 GR分析溶剂 Solvents GR for Analysis T-X

名称	纯度(GC) min. [%]	蒸发残留 max. [%]	水 max. [%]	杂质 max. [%]	容量/包装	订货号
T 1,1,1-Trichloroethane Reag. PhEur 1,1,1-三氯乙烷	99.5	0.001	0.01	Chlorinated hydrocarbons 0.2	1 l GL	1.08749.1000
					2.5 l GL	1.08749.2500
Trichloroethylene ACS, Reag. PhEur 三氯乙稀	99.5	0.001	0.01	Free chlorine 0.00003	1 l GL	1.11872.1000
					2.5 l GL	1.11872.2500
1,1,2-Trichloro- trifluoroethane ACS, Reag. PhEur 1,1,2-三氯-三氟乙烷	99.8	5 ppm	0.005	Dichloromethane 0.01 Chloroform 0.01 Hydrocarbons 5 ppm Carbon tetrachloride 0.01	1 l GL	1.08440.1000
					2.5 l GL	1.08440.2500
U n-Undecane 十一烷	99.0		0.01		100 ml GL	1.09795.0100
W Water 水		0.0001			4 l PE Titripac	1.16754.4000
					5 l PE	1.16754.5000
					10 l PE Titripac	1.16754.9010
X Xylene ACS, ISO, Reag. PhEur 二甲苯	99.8	0.001	0.01	Ethylbenzene 3 Toluene 0.1 Thiophene conf. Benzene 0.1 Sulfur 0.003	1 l GL	1.08681.1000
					2.5 l GL	1.08681.2500
					10 l ST	1.08681.6010
					25 l ST	1.08681.6025
					25 l ME	1.08681.9025
	190 l ME	1.08681.9190				

GL = glass bottle 玻璃瓶 AL = aluminium bottle 铝瓶 ST = stainless steel drum 不锈钢桶 PE = polyethylene bottle 聚乙烯瓶 ME = one-way vessel 一次性容器

