

ROMMA
PURE CHEMISTRY



ROMIL-SpS™ Super Purity Solvents Specifications

high purity solvents for instrumental analysis

Acetic Acid glacial (see Acetic Acid)

2-Aminoethanol (see Ethanolamine)

Acetic Acid SpS

H014

500ml H014P
1LT H014M
2½LT H014L
Dgr H:226-314
P:280c-301+330+331-305+351+338-307+310



(Acetic Acid glacial)

CH₃COOH MW 60.05 FP 16.7°C BP 117.9°C d 1.05 CAS [64-19-7]

Assay >99.8% Water <0.1% Residue <0.0001%

UV: 252nm >10%; 260nm >50%; 270nm >80%; 280nm >95%; 300-400nm >99%

Application: Non-aqueous Titrations, Organic Trace Analysis (see also ROMIL Code H015 Acetic Acid SpA for inorganic trace analysis)

Acetic Anhydride SpS

H027

500ml H027P
1LT H027M
2½LT H027L
Dgr H:226-302+332-314-335
P:210-280-301+330+331-305+351+338-317



(CH₃CO)₂O MW102.09FP-74°C BP 139°C d 1.08 CAS [108-24-7]

Assay >99% Residue <0.0001%

Acetic Acid <1%

Application: Molecular Biology

Acetone SpS

H031

500ml H031P
1LT H031M
2½LT H031L
Dgr H:225-319-336-EUH066
P:210-233-305+351+338



(Propanone)

(CH₃)₂CO MW 58.08 BP 56.1°C d 0.79 CAS [67-64-1]

Assay >99.9% Water <0.2% Residue <0.0001%

UV: 329nm >10%; 335nm >50%; 340nm >80%; 345nm >95%; 350-400nm >99%

Pesticide Residue Analysis passes test

Application: HPLC, GC (eg, analysis of chlorohydrocarbons), UV, Environment Analysis (eg, pesticide residues)

Acetone SpS

low in methanol

H032

2½LT H032L
Dgr H:225-319-336-EUH066
P:210-233-305+351+338



(Propanone)

(CH₃)₂CO MW 58.08 BP 56.1°C d 0.79 CAS [67-64-1]

Assay >99.9% Water <0.2% Residue <0.0001%

Methanol <10 ppm

Application:GC, Applications requiring low methanol background

Acetonitrile 200 SpS

far UV

H048

500ml H048P
1LT H048M
2½LT H048L
Dgr H:225-302+312+332-319
P:210-240-302+352-305+351+338-403+233



(Methyl Cyanide)

CH₃CN MW 41.05 BP 81.6°C d 0.78 CAS [75-05-8]

Assay >99.9% Water <0.01% Residue <0.0001%

UV: 190nm >10%; 195nm >50%; 200nm >80%; 225nm >95%; 240-400nm >99%

Pesticide Residue Analysis passes test

Application: HPLC, Environment Analysis (eg, pesticide residues)

Acetonitrile 190 SpS

far UV/gradient quality

H049

500ml H049P
1LT H049M
2½LT H049L
Dgr H:225-302+312+332-319
P:210-240-302+352-305+351+338-403+233



(Methyl Cyanide)

CH₃CN MW 41.05 BP 81.6°C d 0.78 CAS [75-05-8]

Assay >99.9% Water <0.005% Residue <0.0001%

UV: 190nm >18%; 193nm >50%; 197nm >80%; 215nm >95%; 230-400nm >99%

Acidity <0.0005 meq/g

Alkalinity <0.00006 meq/g

HPLC Gradient Use Test:

205nm <0.005 AU

254nm <0.002 AU

Conforms to ACS liquid chromatography suitability.

Pesticide Residue Analysis passes test

IR Spectroscopy passes test

Fluorescence Spectroscopy passes test

Application: Gradient HPLC, GC, UV, IR, Environment Analysis (eg, pesticide residues), Molecular Biology (see also ROMIL Codes H051, H053, H055)

Acetonitrile BiO very dry, Ion Chromatography using coulometric detection, Fluorescence Spectroscopy

ROMIL-SpS™ Super Purity Solvents Specifications

high purity solvents for instrumental analysis

2-Butanone (see Methyl Ethyl Ketone)

n-Butyl Chloride (see 1-Chlorobutane)

tert-Butyl Methyl Ether (see Methyl tert-Butyl Ether)

500ml H083P
1LT H083M
2½LT H083L
Dgr H:226-302-315-318-335-336
P:210-280f-302+352-304+340-
305+351+338-313



500ml H087P
1LT H087M
2½LT H087L
Wng H:226-336-EUH066
P:210



500ml H095P
Dgr H:225-361fd-372-319-315
P:210-233-280-302+352-
305+351+338-403+235



500ml H104P
1LT H104M
2½LT H104L
Wng H:226-332-315-411
P:210-273-302+352-304+340



500ml H118P
1LT H118M
2½LT H118L
Dgr H:225
P:210



500ml H140P
1LT H140M
2½LT H140L
Dgr H:351-361d-331-302-372-319-
315
P:261v-280f-304+340-305+351+338-
308+313



Butan-1-ol SpS

H083

(n-Butanol, n-Butyl Alcohol)

CH₃(CH₂)₃OH MW 74.12 BP 117.7°C d 0.81 CAS [71-36-3]

Assay >99.8% Water <0.05% Residue <0.0001%

UV: 230nm >10%; 235nm >50%; 240nm >80%; 270nm >95%; 290-400nm >99%

n-Butyl Acetate SpS

H087

CH₃COO(CH₂)₃CH₃ MW 116.16 BP 126.1°C d 0.88 CAS [123-86-4]

Assay >99.7% Water <0.05% Residue <0.0001%

UV: 257nm >10%; 260nm >50%; 275nm >80%; 310nm >95%; 360-400nm >99%

Carbon Disulphide SpS

low in benzene

H095

CS₂ MW 76.13 BP 46.2°C d 1.26 CAS [75-15-0] Assay >99.9% Water <0.05% Residue <0.0005%

UV: 385nm >10%; 390nm >50%; 400nm >80%; 410nm >90%; 450nm >99%

Aromatic impurities (as benzene) <0.0030% (<30 ppm)

IR Spectroscopy passes test

Application: GC, IR, Environment Analysis (eg, determination of aromatics in air)

Chlorobenzene SpS

H104

C₆H₅Cl MW 112.56 BP 131.7°C d 1.11 CAS [108-90-7]

Assay >99.9% Water <0.01% Residue <0.0001%

UV: 290nm >50%; 295nm >80%; 340nm >95%; 370-400nm >99%

Application: HPLC, UV Spectroscopy

1-Chlorobutane SpS

H118

(n-Butyl Chloride)

CH₃(CH₂)₃Cl MW 92.57 BP 78.4°C d 0.88 CAS [109-69-3]

Assay >99.9% Water <0.005% Residue <0.0001%

UV: 235nm >10%; 240nm >50%; 250nm >80%; 255nm >95%; 290-400nm >99%

Application: HPLC, Molecular Biology (eg, protein sequencing)

Chloroform SpS

stabilised with amylene

H140

(Trichloromethane)

CHCl₃ MW 119.38 BP 61.2°C d 1.48 CAS [67-66-3]

Assay >99.9%* Water <0.005% Residue <0.0001%

UV: 250nm >10%; 255nm >50%; 260nm >80%; 270nm >95%; 280-400nm >99%

*ex stabiliser

Pesticide Residue Analysis passes test

Stabiliser: Amylene ca. 25 ppm

Application: Gel Permeation Chromatography, Environment Analysis (eg, pesticide residues)

ROMIL-SpS™ Super Purity Solvents Specifications

high purity solvents for instrumental analysis

Chloroform SpS

stabilised with ethanol

H135

500ml H135P
1LT H135M
2½LT H135L
Dgr H:351-361d-331-302-372-319-315
P:261v-280f-304+340-305+351+338-308+313



(Trichloromethane)

CHCl₃ MW 119.38 BP 61.2°C d 1.48CAS [67-66-3]
Assay >99.9%*Water <0.005% Residue <0.0001%
UV: 250nm >10%; 255nm >50%; 260nm >80%; 270nm >95%; 280-400nm >99%
*ex stabiliser
Pesticide Residue Analysis passes test
IR Spectroscopy passes test
Stabiliser: Ethanol ca. 1% w/w
Stabiliser should only be removed immediately before use by adsorption onto activated alumina.
Application: HPLC, UV, IR, Environment Analysis (eg, pesticide residues)

Cyclohexane SpS

H156

500ml H156P
1LT H156M
2½LT H156L
Dgr H:225-304-315-336-410
P:210-233-240-273-301+310-302+352-331-403+235



C₆H₁₂ MW 84.16 FP 6.5°C BP 80.7°C d 0.78 CAS [110-82-7]
Assay >99.9% Water <0.005% Residue <0.0001%
UV: 195nm >10%; 215nm >50%; 225nm >80%; 240nm >95%; 265-400nm >99%
Pesticide Residue Analysis passes test
Fluorescence Spectroscopy passes test
Application: HPLC, UV, Fluorescence, Environment Analysis (eg, pesticide residues)

Cyclohexanone SpS

H173

500ml H173P
1LT H173M
2½LT H173L
Wng H:226-332
P:210



C₆H₁₀OMW 98.15 FP-47°C BP 155°C d 0.94 CAS [108-94-1]
Assay >99.8% Water <0.02% Residue <0.0001%
UV: 340nm >10%; 345nm >50%; 350nm >80%; 365nm >95%; 390-400nm >99%
Application:UV Spectroscopy

1,2-Dichlorobenzene SpS

H177

500ml H177P
1LT H177M
2½LT H177L
Wng H:302-315-319-335-410
P:273-302+352-305+351+338



C₆H₄Cl₂MW 147.00 FP-17.0°C BP180.5°C d 1.31 CAS [95-50-1]
Assay >99.8% Water <0.05% Residue <0.0005%
UV: 300nm >10%; 310nm >50%; 330nm >80%; 375nm >95%; 390-400nm >99%
Application: Gel Permeation Chromatography

Dichloromethane SpS

stabilised with amylene

H202

500ml H202P
1LT H202M
2½LT H202L
Wng H:351
P:281-308+313



(Methylene Dichloride)

CH₂Cl₂MW 84.93 BP 39.6°C d 1.33 CAS [75-09-2]
Assay >99.9%* Water <0.01% Residue <0.0001%
UV: 235nm >10%; 240nm >50%; 245nm >80%; 250nm >95%; 265-400nm >99%
*ex stabiliser
IR Spectroscopy passes test
Fluorescence Spectroscopy passes test
Pesticide Residue Analysis passes test
Stabiliser: Amylene ca. 25 ppm
Application: HPLC, UV, IR, Fluorescence Analysis (eg, plasma cortisol), Environment Analysis (eg, pesticide residues), Molecular Biology (see also ROMILCode H203 Dichloromethane BiO), Gel Permeation Chromatography

Diethyl Ether SpS

stabilised with BHT

H220

500ml H220P
1LT H220M
2½LT H220L
Dgr H:224-302-336-EUH019-EUH066
P:210-240-403+235



(C₂H₅)₂O MW 74.12 BP 34.4°C d 0.71 CAS [60-29-7]
Assay >99.9%* Water <0.02% Residue <0.0001%*
UV: 225nm >10%; 235nm >50%; 255nm >80%; 290nm >95%; 295-400nm >99%
*ex stabiliser
Peroxides (at time of manufacture) <0.0001% (<1 ppm)
Stabiliser: Butylated hydroxytoluene (BHT) ca. 5 ppm
Application: UVSpectroscopy, Techniques requiring a non-polar stabiliser

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high purity solvents for instrumental analysis

500ml H218P 1LT H218M 2½LT H218L Dgr H:224-302-336-EUH019-EUH066 P:210-240-403+235	<h3>Diethyl Ether SpS</h3> <p>stabilised with copper H218</p> <hr/> <p>(C₂H₅)₂O MW 74.12 BP 34.4°C d 0.71 CAS [60-29-7] □</p> <p>Assay >99.9% Water <0.02% Residue <0.0001%</p> <p>UV: 220nm >10%; 230nm >50%; 250nm >80%; 280nm >95%; 315-400nm >99%</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Stabiliser: Copper gauze</p> <p>Application: UV Spectroscopy, Separation applications requiring non-organic stabiliser</p>
500ml H219P 1LT H219M 2½LT H219L Dgr H:224-302-336-EUH019-EUH066 P:210-240-403+235	<h3>Diethyl Ether SpS</h3> <p>stabilised with ethanol H219</p> <hr/> <p>(C₂H₅)₂O MW 74.12 BP 34.4°C d 0.71 CAS [60-29-7] □</p> <p>Assay >99.9%* Water <0.02% Residue <0.0001%</p> <p>UV: 220nm >10%; 230nm >50%; 250nm >80%; 270nm >95%; 285-400nm >99%</p> <p>*ex stabiliser</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Stabiliser: Ethanol ca. 1% v/v</p> <p>Application: HPLC, UV Spectroscopy, Applications requiring dry ether</p>
500ml H261P 1LT H261M 2½LT H261L Dgr H:225-360FD-332-EUH019 P:201-210-308+313-403+235	<h3>1,2-Dimethoxyethane SpS</h3> <p style="text-align: right;">H261</p> <hr/> <p>(Ethylene Glycol Dimethyl Ether) □</p> <p>CH₃OCH₂CH₂OCH₃ MW 90.12 FP -58°C BP 85°C d 0.87 CAS [110-71-4]</p> <p>Assay >99.9% Water <0.01% Residue <0.0001%</p> <p>UV: 215nm >10%; 240nm >50%; 260nm >80%; 280nm >95%; 300-400nm >99%</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Application: HPLC, UV Spectroscopy</p>
500ml H249P 1LT H249M 2½LT H249L Dgr H:227-360D-312+332-319 P:201-302+352-305+351+338-308+313	<h3>Dimethylacetamide SpS</h3> <p style="text-align: right;">H249</p> <hr/> <p>CH₃CON(CH₃)₂ MW 87.12 FP -20.0°C BP 166.1°C d 0.94 CAS [127-19-5] □</p> <p>Assay >99.7% Water <0.05% Residue <0.0001%</p> <p>UV: 275nm >10%; 280nm >50%; 300nm >80%; 330nm >95%; 350-400nm >99%</p> <p>Application: Spectroscopy</p>
500ml H253P 1LT H253M 2½LT H253L Dgr H:360D-226-312+332-319 P:201-210-302+352-305+351+338-308+313	<h3>Dimethylformamide SpS</h3> <p style="text-align: right;">H253</p> <hr/> <p>HCON(CH₃)₂ MW 73.09 BP 153.0°C d 0.95 CAS [68-12-2] □</p> <p>Assay >99.9% Water <0.03% Residue <0.0001%</p> <p>UV: 270nm >10%; 275nm >50%; 285nm >80%; 310nm >95%; 325-400nm >99%</p> <p>Application: HPLC, GC, Spectroscopy, Molecular Biology (see also ROMIL Code H254 Dimethylformamide BiO with 4Å molecular sieve), Gel Permeation Chromatography</p>
500ml H297P 1LT H297M 2½LT H297L Dgr H:225-350-319-335-EUH019-EUH066 P:210-281-305+351+338-308+313	<h3>1,4-Dioxan SpS</h3> <p style="text-align: right;">H297</p> <hr/> <p>C₄H₈O₂ MW 88.11 FP 11.8°C BP 101.3°C d 1.03 CAS [123-91-1] □</p> <p>Assay >99.9% Water <0.005% Residue <0.0001%</p> <p>UV: 220nm >10%; 240nm >50%; 250nm >80%; 280nm >95%; 300-400nm >99%</p> <p>Unstabilised</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Application: HPLC, GC, UV Spectroscopy, Liquid Scintillation, Applications requiring dry solvent</p>
500ml H236P 1LT H236M 2½LT H236L Dgr H:225-336-EUH019-EUH066 P:210-240-403+235	<h3>Di-iso-propyl Ether SpS</h3> <p>stabilised with BHT H236</p> <hr/> <p>[(CH₃)₂CH]₂O MW 102.18 BP 68.5°C d 0.73 CAS [108-20-3] □</p> <p>Assay >99.5%* Water <0.02% Residue <0.0001%*</p> <p>UV: 245nm >10%; 250nm >50%; 260nm >80%; 310nm >95%; 330-400nm >99%</p> <p>*ex stabiliser</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Stabiliser: Butylated hydroxytoluene (BHT) ca. 5 ppm</p> <p>Application: Spectroscopy</p>

ROMIL-SpS™ Super Purity Solvents Specifications



high purity solvents for instrumental analysis

Ethyl Alcohol (see Ethanol)

Ethylene Glycol Dimethyl Ether (see 1,2-Dimethoxyethane)


Ethanol absolute SpS

H314

500ml H314P (Ethyl Alcohol)  
 1LT H314M C₂H₅OHW 46.07 BP 78.3°C d 0.79 CAS [64-17-5]
 2½LT H314L Assay >99.8% Water <0.1% Residue <0.0001%
 Dgr H:225 UV: 205nm >10%; 220nm >50%; 240nm >80%; 250nm >95%; 270-400nm >99%
 P:210-233-240-403+235 IR Spectroscopy passes test
 Fluorescence Spectroscopy passes test
 Application: HPLC, GC, UV & IR & Fluorescence Spectroscopy (eg, uorimetric analysis of 17-ketosteroids)


Ethanolamine SpS

H321

100ml H321S (2-Aminoethanol) 
 500ml H321P CH₂(OH)CH₂NH₂ MW 61.08 FP 10.5°C BP 171°C d 1.02 CAS [141-43-5]
 Dgr H:302+312+332-314 Assay >99.9% Water <0.2% Residue <0.0001%
 P:280c-301+330+331-302+352- UV: 250nm >10%; 255nm >50%; 270nm >80%; 310nm >95%; 350-400nm >99%
 304+340-305+351+338-309+310 Application: Molecular Biology, Liquid Scintillation

Ethyl Acetate SpS


H346

500ml H346P CH₃COOC₂H₅ MW 88.11 BP 77.1°C d 0.90 CAS [141-78-6]
 1LT H346M Assay >99.9% Water <0.005% Residue <0.0001%
 2½LT H346L UV: 255nm >10%; 260nm >50%; 265nm >80%; 270nm >95%; 310-400nm 
 Dgr H:225-319-336-EUHO66 >99%
 P:210-233-240-305+351+338- Pesticide Residue Analysis passes test
 403+235 Application: HPLC, GC, UV Spectroscopy, Environment Analysis (eg, pesticide residues), Molecular Biology

1,1,1,3,3,3-Hexa uoropropan-2-ol (see Hexa uoropropan-2-ol)


Heptane fraction SpS

H368

500ml H368P C₇H₁₆ BP 85-99°C d0.69
 1LT H368M Water <0.005% Residue <0.0001%
 2½LT H368L UV: 195nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm 
 Dgr H:225-304-315-336-410 >99%
 P:210-273-301+310-331-302+352- Comprises ca. 20-50% n-isomer, the remainder being predominantly other
 304+340-403+235 isomers of heptane.
 Pesticide Residue Analysis passes test
 Application: HPLC, GC, UV Spectroscopy, Environment Analysis (eg, pesticide residues)


n-Heptane 95% SpS

H367

500ml H367P CH₃(CH₂)₅CH₃ MW 100.21BP94-98°C d 0.68 CAS [142-82-5]  Water <0.005%
 1LT H367M Residue <0.0001%
 2½LT H367L UV: 195nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm
 Dgr H:225-304-315-336-410 >99%
 P:210-273-301+310-331-302+352- Assay (n-isomer) >95%
 304+340-403+235 Assay (all isomers) >99.5%
 Pesticide Residue Analysis passes test
 Fluorescence Spectroscopy passes test
 Application: HPLC, GC, UV & Fluorescence Spectroscopy, Environment Analysis (eg, pesticide residues)


n-Heptane 99% SpS

H366

500ml H366P CH₃(CH₂)₅CH₃MW 100.21 BP98.4°C d 0.68 CAS [142-82-5]
 1LT H366M Assay >99% Water <0.005% Residue <0.0001%
 2½LT H366L UV: 195nm >10%; 210nm >50%; 220nm >80%; 245nm >95%; 290-400nm 
 Dgr H:225-304-315-336-410 >99%
 P:210-273-301+310-331-302+352- Application: GC, UV Spectroscopy, Molecular Biology
 304+340-403+235






Hexa uoropropan-2-ol SpS

H359

25ml H359V (1,1,1,3,3,3-Hexa uoropropan-2-ol) 
 100ml H359S (CF₃)₂CHOH MW 168.04 FP -4.2°C BP 59.1°C d 1.62 CAS [920-66-1]
 Dgr H:290-302+332-314 Assay >99.9% Water <0.05% Residue <0.0001%
 P:280c-301+330+331-305+351+338- UV: 190nm >10%; 220nm >50%; 280nm >80%; 300nm >95%; 310-400nm >99%
 309+310 Application: UV Spectroscopy, GC derivatisation reagent, Molecular Biology

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high purity solvents for instrumental analysis

500ml H390P 1LT H390M 2½LT H390L Dgr H:225-304-361f-373-315-336-411 P:210-240-273-301+310-331-302+352-403+235	<h3>Hexane fraction SpS H390</h3> <hr/>
	<p>C6H14 BP 65-70°C d 0.66 CAS[73513-42-5] □ Water <0.005% Residue <0.0001% UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99% Comprises ca. 50% n-isomer, the remainder being predominantly other isomers of hexane. Pesticide Residue Analysis passes test Application: HPLC, GC, UV Spectroscopy, Environment Analysis (eg, pesticide residues)</p>
500ml H388P 1LT H388M 2½LT H388L Dgr H:225-304-315-336-411 P:233-273-301+310-331-302+352-403+235	<h3>iso-Hexane 95% SpS H388</h3> <hr/>
	<p>C6H14 MW 86.18 BP55-63°Cd 0.65 CAS [107-83-5] □ Water <0.005% Residue <0.0001% UV: 195nm >10%; 205nm >50%; 220nm >80%; 240nm >95%; 260-400nm >99% n-Hexane <5% Pesticide Residue Analysis passes test Fluorescence Spectroscopy passes test Application: HPLC, GC, UV & Fluorescence Spectroscopy, Environment Analysis (eg, pesticide residues)</p>
500ml H389P 1LT H389M 2½LT H389L Dgr H:225-304-361f-373-315-336-411 P:210-240-273-301+310-331-302+352-403+235	<h3>n-Hexane 95% SpS H389</h3> <hr/>
	<p>CH3(CH2)4CH3 MW86.18 BP67-70°C d 0.66 CAS [110-54-3] □ Water <0.005% Residue <0.0001% UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99% Assay (n-isomer) >95% Assay (all isomers) >99.5% Pesticide Residue Analysis passes test Fluorescence Spectroscopy passes test Application: HPLC, GC, UV & Fluorescence Spectroscopy, Environment Analysis (eg, pesticide residues)</p>
500ml H393P 1LT H393M 2½LT H393L Dgr H:225-304-361f-373-315-336-411 P:210-240-273-301+310-331-302+352-403+235	<h3>n-Hexane 99% SpS H393</h3> <hr/>
	<p>CH3(CH2)4CH3 MW 86.18 BP 68.7°C d 0.66 CAS [110-54-3] □ Assay >99% Water <0.005% Residue <0.0001% UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99% Pesticide Residue Analysis passes test Application: HPLC, GC, UV Spectroscopy, Environment Analysis (eg, pesticide residues), Gel Permeation Chromatography</p>
<p>Methyl Alcohol (see Methanol)</p>	
<p>Methyl Cyanide (see Acetonitrile)</p>	
<p>4-Methyl-1,3-dioxolan-2-one (see Propylene Carbonate)</p>	
<p>Methylene Chloride (see Dichloromethane)</p>	
<p>Methylene Dichloride (see Dichloromethane) 4-</p>	
<p>Methylpentan-2-one (see Methyl iso-Butyl Ketone)</p>	
500ml H409P 1LT H409M 2½LT H409L Dgr H:225-301+311+331-370 P:210-280f-302+352-309+310-403+235	<h3>Methanol 215 SpS H409</h3> <hr/>
	<p>(Methyl Alcohol) □ CH3OHMW 32.04 BP 64.5°C d 0.79 CAS [67-56-1] Assay >99.9% Water <0.02% Residue <0.0001% UV: 215nm >10%; 225nm >50%; 235nm >80%; 255nm >95%; 280-400nm >99% Application: HPLC, UV, Liquid Scintillation</p>




ROMIL-SpS™ Super Purity Solvents Specifications

high purity solvents for instrumental analysis

Methanol 205 SpS



gradient quality

H410

<p>500ml H410P (Methyl Alcohol) □</p> <p>1LT H410M</p> <p>2½LT H410L</p> <p>Dgr H:225-301+311+331-370</p> <p>P:210-280F-302+352-309+310-403+235</p> <div style="display: flex; justify-content: space-around;">    </div>	<p>CH₃OH MW 32.04 BP 64.5°C d 0.79 CAS [67-56-1]</p> <p>Assay >99.9% Water <0.02% Residue <0.0001%</p> <p>UV: 205nm >10%; 210nm >50%; 225nm >80%; 240nm >95%; 265-400nm >99%</p> <p>Acidity <0.0003 meq/g</p> <p>Alkalinity <0.0002 meq/g</p> <p>HPLC Gradient Use Test:</p> <p>230nm <0.005 AU</p> <p>254nm <0.005 AU</p> <p>Conforms to ACS liquid chromatography suitability.</p> <p>Pesticide Residue Analysis passes test</p> <p>Fluorescence Spectroscopy passes test</p> <p>Application: Gradient HPLC, GC, UV, Environment Analysis (eg, pesticide residues), Applications requiring dry solvent, Non-aqueous Titrations, Liquid Scintillation, Molecular Biology, Fluorescence Spectroscopy</p>
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Methyl tert-Butyl Ether SpS

H447

<p>500ml H447P</p> <p>1LT H447M</p> <p>2½LT H447L</p> <p>Dgr H:225-315</p> <p>P:210-233-302+352-403+235</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>(tert-Butyl Methyl Ether) □</p> <p>CH₃OC(CH₃)₃ MW 88.15 BP 55.4°Cd 0.74CAS [1634-04-4]</p> <p>Assay>99.7% Water <0.02% Residue <0.0001%</p> <p>UV: 220nm >10%; 235nm >50%; 255nm >80%; 270nm >90%; 300-400nm >99%</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Application: HPLC, GC</p>
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Methyl iso-Butyl Ketone SpS

H446

<p>500ml H446P</p> <p>1LT H446M</p> <p>2½LT H446L</p> <p>Dgr H:225-332-319-336-351-EUH066</p> <p>P:210-305+351+338-304+340</p> <div style="display: flex; justify-content: space-around;">    </div>	<p>(4-Methylpentan-2-one) □</p> <p>(CH₃)₂CHCH₂COCH₃ MW 100.16 BP 117.4°C d 0.80 CAS [108-10-1]</p> <p>Assay >99.8% Water <0.01% Residue <0.0001%</p> <p>UV: 335nm >10%; 340nm >50%; 360nm >80%; 375nm >95%; 390-400nm >99%</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Application: Organic Analysis and Chromatography</p>
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Methylcyclohexane SpS

H465

<p>500ml H465P</p> <p>1LT H465M</p> <p>Dgr H:225-304-315-336-411</p> <p>P:273-301+310-331-302+352-403+235</p> <div style="display: flex; justify-content: space-around;">     </div>	<p>C₇H₁₄ MW 98.19 BP 101°Cd 0.77CAS [108-87-2] □</p> <p>Assay >99.9% Water <0.005% Residue <0.0001%</p> <p>UV: 200nm >10%; 220nm >50%; 230nm >80%; 250nm >95%; 280-400nm >99%</p> <p>Fluorescence Spectroscopy passes test</p> <p>Application: UV Spectroscopy, Fluorescence Spectroscopy</p>
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Methyl Ethyl Ketone SpS

H493

<p>500ml H493P</p> <p>1LT H493M</p> <p>2½LT H493L</p> <p>Dgr H:225-319-336-EUH066</p> <p>P:210-305+351+338-403+233</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>(2-Butanone) □</p> <p>CH₃CH₂COCH₃ MW 72.11 BP 79.6°C d 0.80 CAS [78-93-3]</p> <p>Assay >99.8% Water <0.02% Residue <0.0001%</p> <p>UV: 330nm >10%; 335nm >50%; 340nm >80%; 345nm >95%; 350-400nm >99%</p> <p>Application: HPLC, UV Spectroscopy, Environment Analysis</p>
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N-Methyl-2-pyrrolidone SpS

H565

<p>500ml H565P</p> <p>1LT H565M</p> <p>2½LT H565L</p> <p>Dgr H:360D-315-319-335</p> <p>P:201-302+352-305+351+338-308+313</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>CH₂(CH₂)₂CONCH₃ MW 99.13 BP 202.0°C d 1.03 CAS [872-50-4] □</p> <p>Assay >99.5% Water <0.05%</p> <p>UV: 295nm >10%; 300nm >50%; 320nm >80%; 360nm >95%; 395-400nm >99%</p> <p>Application: Molecular Biology (eg, DNA synthesis), Versatile and powerful solvent properties</p>
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2-Methyltetrahydrofuran SpS

H536

<p>500ml H536P</p> <p>1LT H536M</p> <p>2½LT H536L</p> <p>Dgr H:225-319-335-EUH019</p> <p>P:210-233-240-305+351+338-403+235</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>CH₃C₄H₇O MW 86.13 BP 80°C d 0.86 CAS [96-47-9] □</p> <p>Assay >99.8% Water <0.01% Residue <0.0001%</p> <p>UV: 245nm >10%; 250nm >50%; 270nm >80%; 295nm >95%; 360-400nm >99%</p> <p>Unstabilised</p> <p>Peroxides (at time of manufacture) <0.0001% (<1 ppm)</p> <p>Application: Applications requiring dry solvent</p>
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ROMIL-SpS™ Super Purity Solvents Specifications

high purity solvents for instrumental analysis

2-Methyltetrahydrofuran SpS

stabilised with BHT

H537

500ml H537P
1LT H537M
2½LT H537L
Dgr H:225-319-335-EUH019
P:210-233-240-305+351+338-403+235

CH₃C₄H₇O MW 86.13 BP 80°C d 0.86 CAS [96-47-9]

Assay >99.8%* Water <0.01% Residue <0.0001%*

*ex stabiliser

Peroxides (at time of manufacture) <0.0001% (<1 ppm)

Stabiliser: Butylated hydroxytoluene (BHT) ca. 250 ppm

Application: Applications requiring dry solvent



n-Nonane 95% SpS

H 5 6 8

500ml H568P
1LT H568M
2½LT H568L
Dgr H:226-304
P:210-301+310-331

CH₃(CH₂)₇CH₃ MW128.26BP146-150°C d 0.72 CAS [111-84-2]

Water <0.005% Residue <0.0001%

UV: 220nm >10%; 240nm >50%; 290nm >80%; 310nm >95%; 330-400nm >99%

Application: UV Spectroscopy



[iso-Octane \(see 2,2,4-Trimethylpentane\)](#)

[Perchloroethylene \(see Tetrachloroethylene\)](#)

[Petroleum Distillate \(see Petroleum Ether\)](#)

[n-Propanol \(see Propan-1-ol\)](#)

[iso-Propanol \(see Propan-2-ol\)](#)

[Propanone \(see Acetone\)](#)

[n-Propyl Alcohol \(see Propan-1-ol\)](#)

[iso-Propyl Alcohol \(see Propan-2-ol\)](#)

n-Pentane 95% SpS

H571

500ml H571P
1LT H571M
2½LT H571L
Dgr H:225-304-336-411-EUH066
P:273-301+310-331-403+235

CH₃(CH₂)₃CH₃ MW 72.15 BP35.5-37°C d 0.63 CAS [109-66-0]

Water <0.005% Residue <0.0001%

UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99%

Assay (n-isomer) >95%

Assay (all isomers) >99.5%

Haloform impurities <0.0001% (<1 ppm)

Pesticide Residue Analysis passes test

Application: HPLC, GC, Environment Analysis (eg pesticide residues), Gel Permeation Chromatography



Petroleum Ether 30-40°C SpS

H600

500ml H600P
1LT H600M
2½LT H600L
Dgr H:225-304-336-411-EUH066
P:210-243-301+310-303+361+353-405-501

(Petroleum Distillate, Petroleum Spirit)

BP 30-40°C d 0.64 CAS [109-66-0]

Water <0.005% Residue <0.0001%

UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99%



Petroleum Ether 40-60°C SpS

H601

500ml H601P
1LT H601M
2½LT H601L
Dgr H:225-304-336-411-EUH066
P:210-233-243-273-280-301+310-303+361+353-304+340-331-403+235

(Petroleum Distillate, Petroleum Spirit)

BP 40-60°C d 0.64 CAS [8032-32-4]

Water <0.005% Residue <0.0001%

UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99%

Pesticide Residue Analysis passes test

Application: Environment Analysis (egpesticide residues)



ROMIL-SpS™ Super Purity Solvents Specifications

high purity solvents for instrumental analysis

500ml H602P
1LT H602M
2½LT H602L
Dgr H:225-304-315-336-411
P:210-243-273-280-301+310-331-403+235



Petroleum Ether 60-80°C SpS

H602

(Petroleum Distillate, Petroleum Spirit)

BP 60-80°C d 0.67
Water <0.005% Residue <0.0001%
UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99%
Pesticide Residue Analysis passes test
Application: Environment Analysis (eg pesticide residues)

500ml H603P
1LT H603M
2½LT H603L
Dgr H:225-304-315-336-411
P:210-273-280-260v-301+310-331-403+235



Petroleum Ether 80-100°C SpS

H603

(Petroleum Distillate, Petroleum Spirit)

BP 80-100°C d 0.69CAS [64742-49-0]
Water <0.005% Residue <0.0001%
UV: 200nm >10%; 215nm >50%; 230nm >80%; 240nm >95%; 255-400nm >99%

500ml H629P
1LT H629M
2½LT H629L



Propan-1,2-diol SpS

H629

(1,2-Propylene Glycol)

CH₃CH(OH)CH₂OH MW 76.10 BP 187.6°C CAS [57-55-6]
Assay >99.8% Water <0.005% Residue <0.0001%
UV: 210nm >10%; 215nm >50%; 230nm >80%; 245nm >95%; 260-400nm >99%
Application: UV Spectroscopy

500ml H624P
1LT H624M
2½LT H624L
Dgr H:225-318-336
P:210-233-280f-305+351+338-313



Propan-1-ol SpS

H624

(n-Propanol, n-Propyl Alcohol)

CH₃CH₂CH₂OH MW 60.10 BP 97.2°C d 0.80 CAS [71-23-8]
Assay >99.9% Water <0.05% Residue <0.0001%
UV: 210nm >10%; 225nm >50%; 235nm >80%; 250nm >95%; 280-400nm >99%
Application: HPLC, GC, UV Spectroscopy

500ml H625P
1LT H625M
2½LT H625L
Dgr H:225-319-336
P:210-233-305+351+338



Propan-2-ol SpS

H625

(iso-Propanol, iso-Propyl Alcohol)

(CH₃)₂CHOH MW 60.10BP 82.2°C d 0.78 CAS [67-63-0]
Assay >99.9% Water <0.02% Residue <0.0001%
UV: 205nm >10%; 210nm >50%; 225nm >80%; 240nm >95%; 255-400nm >99%
Pesticide Residue Analysis passes test
Fluorescence Spectroscopy passes test
Application: HPLC, GC, UV & Fluorescence Spectroscopy, Environment Analysis (eg, pesticide residues)

500ml H645P
1LT H645M
Wng H:319
P:305+351+338



Propylene Carbonate SpS

H645

(4-Methyl-1,3-dioxolan-2-one)

CH₃CHOCOOCH₂ MW102.09 BP 241.7°C d 1.20 CAS [108-32-7]
Assay >99.8% Water <0.01% Residue <0.0001%
UV: 255nm >10%; 290nm >50%; 315nm >80%; 350nm >95%; 360-400nm >99%
Application: GC

500ml H650P
1LT H650M
2½LT H650L
Dgr H:225-302+312+332-315-319
P:210-302+352-304+340-305+351+338-403+235



Pyridine SpS

H650

C₅H₅N MW 79.10 BP 115.3°C d 0.98 CAS [110-86-1]
Assay >99.8% Water <0.02% Residue <0.0001%
UV: 330nm >10%; 335nm >50%; 340nm >80%; 350nm >95%; 370-400nm >99%
IR Spectroscopy passes test
Application: UV and IR Spectroscopy

500ml H702P
1LT H702M
2½LT H702L
Wng H:315-317-319-336-351-411
P:273-281-302+352-305+351+338-308+313



Tetrachloroethylene SpS

H702

(Perchloroethylene)

CCl₂CCl₂MW 165.83 BP 121.1°C d 1.62 CAS [127-18-4]
Assay >99.9% Water <0.005% Residue <0.0001%
UV: 290nm >10%; 295nm >50%; 300nm >80%; 380nm >95%; 395-400nm >99%
Unstabilised
IR Spectroscopy passes test
Application: UV & IR Spectroscopy

ROMIL-SpS™ Super Purity Solvents Specifications


high purity solvents for instrumental analysis

500ml H718P
1LT H718M
2½LT H718L
Dgr H:225-319-335-351-EUHO19
P:210-240-305+351+338-308+313-403+233



Tetrahydrofuran SpS

H718

CH₂(CH₂)₂CH₂O MW 72.11 BP 66.0°C d 0.89 CAS [109-99-9] 
Assay >99.9% Water <0.005% Residue <0.0001%
UV: 215nm >10%; 235nm >50%; 255nm >80%; 275nm >95%; 295-400nm >99%

Unstabilised

Peroxides (at time of manufacture) <0.0001% (<1 ppm)

Application: HPLC, Gel Permeation Chromatography, UV Spectroscopy, Applications requiring drysolvent, Molecular Biology


Tetrahydrofuran SpS

stabilised with BHT

H719

500ml H719P
1LT H719M
2½LT H719L
Dgr H:225-319-335-351-EUHO19
P:210-240-305+351+338-308+313-403+233



CH₂(CH₂)₂CH₂O MW 72.11 BP 66.0°C d 0.89 CAS [109-99-9] 
Assay >99.9%* Water <0.0001%*
UV: 290nm >10%; 295nm >50%; 300nm >80%; 305nm >95%; 310-400nm >99%

*ex stabiliser

Peroxides (at time of manufacture) <0.0001% (<1 ppm)

Stabiliser: Butylated hydroxytoluene (BHT) ca. 250 ppm

Application: Applications requiring dry solvent, Analysis of vinyl chloride in PVC, Gel Permeation Chromatography

Toluene SpS

H771

500ml H771P
1LT H771M
2½LT H771L
Dgr H:225-304-315-336-361d-373
P:210-240-301+310-331-302+352-403+235



C₆H₅CH₃ MW 92.14 BP 110.6°C d 0.87 CAS [108-88-3] 

Assay >99.9% Water <0.01% Residue <0.0001%

UV: 285nm >10%; 290nm >50%; 300nm >80%; 320nm >95%; 350-400nm >99%

Pesticide Residue Analysis passes test

Application: HPLC, GC, Environment Analysis (eg, pesticide residues), Gel Permeation Chromatography, Liquid Scintillation

Trichloroethylene SpS

H742

500ml H742P
1LT H742M
2½LT H742L
Dgr H:350-315-319-336-341-412
P:201-273-302+352-305-351-338-308+313



CCl₂CHCl MW 131.39 FP -87°C BP 86.7°C d 1.46 CAS [79-01-6] 

Assay >99.8%* Water <0.01% Residue <0.0001%

UV: 275nm >10%; 280nm >50%; 315nm >80%; 375nm >95%; 400nm >99%

*ex stabiliser

Stabiliser: Maxistab ca. 700 ppm

Application: UV Spectroscopy

Maxistab is a trademark of The Dow Chemical Company

2,2,2-Tri uoroethanol SpS

H860

100ml H860S
500ml H860P
Dgr H:226-301+331-312-315-318-373
P:210-280f-302+352-304+340-305+351+338-309+310



CF₃CH₂OH MW100.04BP 74.1°Cd 1.39 CAS [75-89-8] 

Assay >99.9% Water <0.1% Residue <0.0001%

UV: 190nm >40%; 195nm >70%; 200nm >80%; 230nm >95%; 265-400nm >99%

Application: UV Spectroscopy (very low cut o)


2,2,4-Trimethylpentane SpS

H901

500ml H901P
1LT H901M
2½LT H901L
Dgr H:225-304-315-336-410
P:210-233-240-273-301+310-331-302+352-304+340-403+235



(iso-Octane)

(CH₃)₃CCCH₂CH(CH₃)₂ MW 114.23 BP 99.2°C d 0.69 CAS [540-84-1] 

Assay >99.75% Water <0.005% Residue <0.0001%

UV: 205nm >10%; 215nm >50%; 225nm >80%; 240nm >95%; 270-400nm >99%

IR Spectroscopy passes test

Pesticide Residue Analysis passes test

Application: HPLC, GC, UV & IR Spectroscopy, Environment Analysis (eg, pesticide residues)

Water SpS

H 9 5 0

500ml H950P
1LT H950M
2½LT H950L

H₂O MW 18.02 FP 0.0°C BP 100.0°C CAS [7732-18-5] 

Residue <0.0001%

Resistivity (at time of manufacture) >18 MOhm @ 25°C

pH (at time of manufacture) 5.5-8.0 @ 25°C

TOC (at time of manufacture) <30 ppb

HPLC Gradient Use Test:

205nm <0.005 AU

254nm <0.002 AU

Conforms to ACS liquid chromatography suitability.

Filtered to 0.2 micron

Application: Gradient HPLC, Environment Analysis of Trace Organics (see also ROMIL Code H951 Water SpA for inorganic trace analysis), Molecular Biology

ROMIL-SpS™ Super Purity Solvents Specifications

high purity solvents for instrumental analysis

m-Xylene SpS

H965

500ml H965P C₆H₄(CH₃)₂ MW 106.17 FP -47.8°C BP 139.1°C d 0.86 CAS [108-38-3] □
 Wng H:226-312+332-315 Assay >99.0% Water <0.01% Residue <0.0001%
 P:210-302+352-304+340 UV: 295nm >10%; 305nm >50%; 320nm >80%; 350nm >95%; 370-400nm >99%



o-Xylene SpS

H958

500ml H958P C₆H₄(CH₃)₂ MW 106.17 FP -25°C BP 144.4°C d 0.88 CAS [95-47-6] □
 Wng H:226-312+332-315 Assay >99.0% Water <0.01% Residue <0.0001%
 P:210-302+352 UV: 295nm >10%; 305nm >50%; 320nm >80%; 350nm >95%; 370-400nm >99%



p-Xylene SpS

H973

500ml H973P C₆H₄(CH₃)₂ MW 106.17 FP 13.2°C BP 138.3°C d 0.86 CAS [106-42-3] □
 Wng H:226-312+332-315 Assay >99.0% Water <0.01% Residue <0.0001%
 P:210-302+352 UV: 295nm >10%; 305nm >50%; 320nm >80%; 350nm >95%; 370-400nm >99%



Xylene mixed isomers SpS

H982

500ml H982P C₆H₄(CH₃)₂ MW 106.17 BP 138-142°C d 0.86 CAS [1330-20-7] □
 1LT H982M Water <0.01% Residue <0.0001%
 2½LT H982L UV: 295nm >10%; 305nm >50%; 320nm >80%; 350nm >95%; 370-400nm >99%
 Wng H:226-312+332-315 Comprises 3 isomers and ethylbenzene
 P:210-302+352-304+340 Assay (total C₈H₁₀ isomers) >98.5%
 Ethylbenzene typically <3%
 Toluene typically <0.5%
 Methyl ethylbenzene typically <0.5%
 Application: Liquid Scintillation

