Растворители для GC-MS, безводные, дейтерированные для NMR

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70 Казахстан +7(7172)727-132 Киргизия +996(312)96-26-47

эл.почта: sbu@nt-rt.ru || сайт: https://scharlab.nt-rt.ru

SOLVENTS FOR GC-MS

Solvents for GC-MS are crucial chemical substances in gas chromatography-mass spectrometry. They are used to dissolve samples before injection into the system, facilitating the separation and analysis of components. These solvents, must be of high purity to avoid interference with analyte detection. The choice of solvent depends on the nature of the sample and specific analytical requirements.

Scharlau

2,2,4-Trimethylpentane, GC-MS

- Synonyms: Isooctane, Isobutyltrimethylmethane, iso-Octane
- C8H18
- M = 114,26 g/mol
- CAS [540-84-1]
- EINECS-No.: 208-759-1
- Density: 0,69 g/cm3
- Solub. in water: (25 ºC): 0,56 mg/l
- Melting point: -107 ºC
- Boiling point: 99 ºC
- Flash pt. -12 ºC
- Ignition temp.: 410 ºC
- Vapour pressure: (20 ºC) 51 hPa
- Dielectric const.: (20 ºC) 1,9
- LD 50 (oral, rat): > 2000 mg/kg
- EC-Index-No.: 601-009-00-8
- ADR: 3 F1 II UN 1262
- IMDG: 3 II UN 1262
- IATA/ICAO: 3 II UN 1262
- GHS-signal word: Danger
- GHS-H sentences: H225 - H304 - H400 - H410 - H315 - H336
- GHS-P sentences: P210 - P301+P310 - P303+P361+P353 - P370+P378 - P405 - P501a
- Tariff number: 2901 10 00 00
- Applications: analytical chemistry, solvent for fat and oil extractions; in determining octane numbers of fuels.

SPECIFICATIONS
assay (G.C.): min. 99,5 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test

residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Volume
x 1 l
Reference
IS01671000
Packaging
x 1 l :: Glass bottle

Volume
x 2,5 l
Reference
IS01672500
Packaging
x 2,5 l :: Glass bottle

Scharlau

Acetone, GC-MS

- Synonyms: Dimethyl ketone, 2-Propanone
- C3H6O
- M = 58,08 g/mol
- CAS [67-64-1]
- EINECS-No.: 200-662-2
- Density: 0,79 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: -95 ºC
- Boiling point: 56 ºC
- Flash pt. < -20 ºC
- Ignition temp.: 540 ºC
- Vapour pressure: (20 ºC) 233 hPa
- Refraction index: (n 20 ºC/D) 1,3588
- Dielectric const.: (25 ºC) 20,7
- LD 50 (oral, rat): 5800 mg/kg
- EC-Index-No.: 606-001-00-8
- ADR: 3 F1 II UN 1090
- IMDG: 3 II UN 1090
- IATA/ICAO: 3 II UN 1090
- GHS-signal word: Danger
- GHS-H sentences: H225 - H319 - H336 - EUH066
- GHS-P sentences: P210 - P303+P361+P353 - P305+P351+P338 - P370+P378 - P405 - P501a
- Tariff number: 2914 11 00 00
- Applications: solvents, analytical chemistry, synthesis of organic products, photography.

SPECIFICATIONS
assay (G.C.): min. 99,8 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test
residue on evaporation: max. 3 ppm
water (K.F.) : max. 0,2 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual

signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Acetonitrile, GC-MS

- Synonyms: Methyl cyanide, Cyanomethane
- CH3CN
- M = 41,05 g/mol
- CAS [75-05-8]
- EINECS-No.: 200-835-2
- Density: 0,786 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: -45,7 ºC
- Boiling point: 81,6 ºC
- Flash pt. 2 ºC
- Ignition temp.: 524 ºC
- Vapour pressure: (20 ºC) 97 hPa
- Refraction index: (n 20 ºC) 1,3442
- Dielectric const.: (20 ºC) 37,5
- LD 50 (oral, rat): 2730 - 3800 mg/kg
- EC-Index-No.: 608-001-00-3
- ADR: 3 F1 II UN 1648
- IMDG: 3 II UN 1648
- IATA/ICAO: 3 II UN 1648
- GHS-signal word: Danger
- GHS-H sentences: H225 - H302+H312+H332 - H319
- GHS-P sentences: P210 - P303+P361+P353 - P305+P351+P338 - P370+P378 - P403+P235 - P501a
- Tariff number: 2926 90 70 22
- Applications: chromatography, synthesis of organic products, solvents.

SPECIFICATIONS
assay (G.C.): min. 99,8 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test
residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Cyclohexane, GC-MS

- Synonyms: Hexahydrobenzene, Hexamethylene, Naphthene
- C6H12
- M = 84,16 g/mol
- CAS [110-82-7]
- EINECS-No.: 203-806-2
- Density: 0,78 g/cm3
- Solub. in water: (20 ºC): 55 mg/l
- Melting point: 6 ºC
- Boiling point: 80,7 - 81 ºC
- Flash pt. -18 ºC

- Ignition temp.: 260 ºC
- Vapour pressure: (20 ºC) 103 hPa
- Refraction index: (n 20 ºC/D) 1,4264
- Dielectric const.: (20 ºC) 2,0
- LD 50 (oral, rat): 12705 mg/kg
- EC-Index-No.: 601-017-00-1
- ADR: 3 F1 II UN 1145
- IMDG: 3 II UN 1145
- IATA/ICAO: 3 II UN 1145
- GHS-signal word: Danger
- GHS-H sentences: H225 - H315 - H319 - H335 - H336 - H304 - H410
- GHS-P sentences: P210 - P301+P310 - P303+P361+P353 - P370+P378 - P405 - P501a
- Tariff number: 2902 11 00 00
- Applications: solvents, analytical chemistry, synthesis of organic products.

SPECIFICATIONS
assay (G.C.): min. 99,8 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test
residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Scharlau

Dichloromethane, GC-MS, suitable for nitrosamine analysis

- Synonyms: Methylene chloride, Chloromethylene
- CH2Cl2
- M = 84,93 g/mol
- CAS [75-09-2]
- EINECS-No.: 200-838-9
- Density: 1,32 g/cm3
- Solub. in water: (20 ºC): 20 g/l
- Melting point: ~ -95 ºC
- Boiling point: 40 ºC
- Ignition temp.: 605 ºC
- Vapour pressure: (20 ºC) 475 hPa
- Dielectric const.: (20 ºC) 9,1
- LD 50 (oral, rat): 1600 mg/kg
- EC-Index-No.: 602-004-00-3
- ADR: 6.1 T1 III UN 1593
- IMDG: 6.1 III UN 1593
- IATA/ICAO: 6.1 III UN 1593
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319 - H335 - H336 - H351 - H373 -
- GHS-P sentences: P260 - P280 - P305+P351+P338 - P321 - P405 - P501a
- Tariff number: 2903 12 00 00
- Applications: solvents, analytical chemistry.

SPECIFICATIONS
assay (G.C.): min. 99,8 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test
nitrosamine analysis: passes test
residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Ethyl acetate, GC-MS

- Synonyms: Acetic acid ethyl ester, Acetic ether
- C4H8O2
- M = 88,10 g/mol
- CAS [141-78-6]
- EINECS-No.: 205-500-4
- Density: 0,90 g/cm3
- Solub. in water: (20 ºC): 85,3 g/l
- Melting point: -83 ºC
- Boiling point: 77 ºC
- Flash pt. -4 ºC
- Ignition temp.: 460 ºC
- Vapour pressure: (20 ºC) 97hPa
- Refraction index: (n 20 ºC/D) 1,3723
- Dielectric const.: (25 ºC) 6,0
- LD 50 (oral, rat): 5620 mg/kg
- EC-Index-No.: 607-022-00-5
- ADR: 3 F1 II UN 1173
- IMDG: 3 II UN 1173
- IATA/ICAO: 3 II UN 1173
- GHS-signal word: Danger
- GHS-H sentences: H225 - H319 - H336 - EUH066
- GHS-P sentences: P210 - P303+P361+P353 - P305+P351+P338 - P370+P378 - P405 - P501a
- Tariff number: 2915 31 00 00
- Applications: solvents, perfumery, photography.

SPECIFICATIONS
assay (G.C.): min. 99,8 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test
residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Methanol, GC-MS

- Synonyms: Methyl alcohol, Carbinol, Methynol, Wood alcohol
- CH3OH
- M = 32,04 g/mol
- CAS [67-56-1]
- EINECS-No.: 200-659-6
- Density: 0,792 g/cm3
- Solub. in water: (20 °C): miscible
- Melting point: -98 °C

- Boiling point: 65 °C
- Flash pt. 10 °C
- Ignition temp.: 455 °C
- Vapour pressure: (20 ºC) 128 hPa
- Refraction index: (n 20 °C/D) 1,3288
- Dielectric const.: (25 °C) 32,6
- LD 50 (oral, rat): 5628 mg/kg
- EC-Index-No.: 603-001-00-X
- ADR: 3 FT1 II UN 1230
- IMDG: 3 II UN 1230
- IATA/ICAO: 3 II UN 1230
- GHS-signal word: Danger
- GHS-H sentences: H225 - H301 - H311 - H331 - H370
- GHS-P sentences: P210 - P301+P310 - P303+P361+P353 - P370+P378 - P405 - P501a
- Tariff number: 2905 11 00 10
- Applications: solvents, synthesis of organic products, in antifreeze compositions, solvent for animal and vegetable oils extractions.
- Appearance: Incoloro

SPECIFICATIONS
assay (G.C.): min. 99,0 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test
residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Scharlau

n-Hexane, GC-MS

- Synonyms: n-Caproylhydride, n-Hexylhydride
- C6H14
- M = 86,18 g/mol
- CAS [110-54-3]
- EINECS-No.: 203-777-6
- Density: 0,66 g/cm3
- Solub. in water: (20 ºC): 0,0095 g/l
- Melting point: -94,3 ºC
- Boiling point: 69 ºC
- Flash pt. -22 ºC
- Ignition temp.: 240 ºC
- Vapour pressure: (20 ºC) 160 hPa
- Dielectric const.: (20 ºC) 1,8
- LD 50 (oral, rat): 28710 mg/kg
- EC-Index-No.: 601-037-00-0
- ADR: 3 F1 II UN 1208
- IMDG: 3 II UN 1208
- IATA/ICAO: 3 II UN 1208
- GHS-signal word: Danger
- GHS-H sentences: H225 - H304 - H361f - H373 - H315 - H336 - H411
- GHS-P sentences: P210 - P301+P310 - P303+P361+P353 - P370+P378 - P405 - P501a
- Tariff number: 2901 10 00 00

SPECIFICATIONS
assay (G.C.): min. 96,0 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test

residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

Scharlau

Toluene, GC-MS

- Synonyms: Methylbenzene, Phenylmethane
- C7H8
- M = 92,14 g/mol
- CAS [108-88-3]
- EINECS-No.: 203-625-9
- Density: 0,87 g/cm3
- Solub. in water: (20 ºC): 0,52 g/l
- Melting point: -95 ºC
- Boiling point: 111 ºC
- Flash pt. 4 ºC
- Ignition temp.: 535 ºC
- Vapour pressure: (20 ºC) 29 hPa
- Dielectric const.: (25 ºC) 2,3
- LD 50 (oral, rat): 636 mg/kg
- EC-Index-No.: 601-021-00-3
- ADR: 3 F1 II UN 1294
- IMDG: 3 II UN 1294
- IATA/ICAO: 3 II UN 1294
- GHS-signal word: Danger
- GHS-H sentences: H225 - H304 - H361d - H373 - H315 - H336
- GHS-P sentences: P210 - P301+P310 - P303+P361+P353 - P370+P378 - P405 - P501a
- Tariff number: 2902 30 00 00
- Applications: synthesis of organic products, solvents, as gasoline additive.

SPECIFICATIONS
assay (G.C.): min. 99,8 %
colour (Hazen): max. 10
identity (IR-spectrum): passes test
residue on evaporation: max. 3 ppm
water (K.F.) : max . 0,05 %

GC/MSD (retention range n-undecane to n-tetracontane, scaning area 30 - 600 amu, individual signals (n-tetradecane standard)): max. 3,0 ng/ml (ppb)

Suitable for residue analysis

SOLVENTS, ANHYDROUS

Anhydrous solvents are characterized by a very low water content. They are used in processes or syntheses that are sensitive to the presence of any water.

Scharlau

1,4-Dioxane, 99%, anhydrous (max. 0,005% H2O), with molecular sieves, stabilized with 2,5 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

Scharlau

1,4-Dioxane, 99,5%, anhydrous (max. 0,005% H2O), stabilized with 2,5 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

Scharlau

2,2,4-Trimethylpentane, 99,5%, anhydrous (max. 0,003% H2O)

Scharlau

2-Propanol, 99,8%, anhydrous (max. 0,005% H2O)

Scharlau

Acetone, 99,8%, anhydrous (max. 0,005% H2O)

Scharlau

Acetonitrile, 99,7%, anhydrous (max. 0,005% H2O), with molecular sieves

Scharlau

Acetonitrile, 99,9%, anhydrous (max. 0,001% H2O)

Scharlau

Benzyl alcohol, 99,5%, anhydrous (max. 0,01% H2O)

Scharlau

Chloroform, 99,9%, anhydrous (max. 0,003% H2O), stabilized with 150 ppm of amylene

Scharlau

Chloroform, 99,9%, anhydrous (max. 0,003% H2O), with molecular sieves, stabilized with 150 ppm of amylene

Scharlau

Dichloromethane, 99,9%, anhydrous (max. 0,003% H2O), stabilized with approx. 50 ppm of amylene

---

Dichloromethane, 99,9%, anhydrous (max. 0,003% H2O), with molecular sieves

---

Diethyl ether, 99,5%, anhydrous (max. 0,005% H2O), with molecular sieves, stabilized with approx. 7 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

Diethyl ether, 99,7%, anhydrous (max. 0,005% H2O), stabilized with approx. 7 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

Dimethyl sulfoxide, 99,5%, anhydrous (max. 0,005% H2O), with molecular sieves

---

Dimethyl sulfoxide, 99,9%, anhydrous (max. 0,005% H2O)

Ethyl acetate, 99,8%, anhydrous (max. 0,005% H2O), with molecular sieves

---

Methanol, 99,9%, anhydrous (max. 0,003% H2O)

N,N-Dimethylacetamide, 99,5%, anhydrous (max. 0,005% H2O)

N,N-Dimethylformamide, 99,8%, anhydrous (max. 0,005% H2O)

n-Hexane, 96%, anhydrous (max. 0,002% H2O)

Pyridine, 99,5%, anhydrous (max. 0,005% H2O)

Pyridine, 99,5%, anhydrous (max. 0,005% H2O), with molecular sieves

---

Tetrahydrofuran, 99,5%, anhydrous (max. 0,005% H2O), with molecular sieves, stabilized with 2,6-Di-tert-butyl-4-methylphenol (BHT)

Tetrahydrofuran, 99,8%, anhydrous (max. 0,005% H2O), stabilized with 250 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

Toluene, 99,5%, anhydrous (max. 0,005% H2O), with molecular sieves

---

Toluene, 99,8%, anhydrous (max. 0,003% H2O)

SOLVENTS, DEUTERATED FOR NMR

In deuterated solvents, the hydrogen atoms are replaced with deuterium. Deuterium is a heavy isotope of hydrogen with a proton and a neutron in its nucleus, instead of a single proton as in hydrogen. Deuterated solvents produce a sharper signal in nuclear magnetic resonance (NMR) spectra. They are commonly used in NMR spectroscopy and other chemical and physical analytical techniques.

Scharlau

Acetone-d6, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®

- Synonyms: Hexadeuteroacetone
- C3D6O
- M = 64,12 g/mol
- CAS [666-52-4]
- EINECS-No.: 211-563-9
- Density: 0,87 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: -95,4 ºC
- Boiling point: 56 ºC
- Flash pt. < -20 ºC
- Ignition temp.: 540 ºC
- Vapour pressure: (20 ºC) 233 hPa
- Dielectric const.: (25 ºC) 20,7
- LD 50 (oral, rat): 5800 mg/kg
- EC-Index-No.: 606-001-00-8
- ADR: 3 F1 II UN 1090
- IMDG: 3 II UN 1090
- IATA/ICAO: 3 II UN 1090
- GHS-signal word: Danger
- GHS-H sentences: H225 - H319 - H336 - EUH066
- GHS-P sentences: P210 - P303+P361+P353 - P305+P351+P338 - P370+P378 - P405 - P501a
- Tariff number: 2845 90 10 00

- Applications: for nuclear magnetic resonance spectroscopy.

SPECIFICATIONS
deuteration degree: min. 99,8 %
water (K.F., H2O + D2O): max. 0,03 %
performance test (NMR-spectrum): passes test

Acetonitrile-d3, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®

- Synonyms: Trideuteroacetonitrile
- CD3CN
- M = 44,05 g/mol
- CAS [2206-26-0]
- EINECS-No.: 218-616-5
- Density: 0,84 g/cm3
- Solub. in water: (20 °C): miscible
- Melting point: -46 °C
- Boiling point: 79 °C
- Flash pt. 5 °C
- Ignition temp.: 525 °C
- Vapour pressure: (20 °C) 97 hPa
- LD 50 (oral, rat): 2730 - 3800 mg/kg
- ADR: 3 F1 II UN 1648
- IMDG: 3 II UN 1648
- IATA/ICAO: 3 II UN 1648
- GHS-signal word: Danger
- GHS-H sentences: H225 - H302 - H312 - H332 - H319
- GHS-P sentences: P210 - P303+P361+P353 - P305+P351+P338 - P370+P378 - P403+P235
- P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

SPECIFICATIONS
deuteration degree: min. 99,8 %
water (K.F., H2O + D2O): max. 0,03 %
performance test (NMR-spectrum): passes test

Chloroform-d + TMS (99:1, v/v), deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®

- CDCl3
- M = 120,38 g/mol
- CAS [865-49-6]
- EINECS-No.: 212-742-4
- Density: 1,50 g/cm3
- Solub. in water: (20 °C): 8,2 g/l
- Melting point: -64,1 °C
- Boiling point: 60 °C
- Vapour pressure: (20 °C) 211 hPa
- LD 50 (oral, rat): 908 mg/kg
- EC-Index-No.: 602-006-00-4
- ADR: 6.1 T1 III UN 1888
- IMDG: 6.1 III UN 1888
- IATA/ICAO: 6.1 III UN 1888

- GHS-signal word: Danger
- GHS-H sentences: H331 - H372 - H351 - H361d - H302 - H315 - H319
- GHS-P sentences: P260 - P280 - P305+P351+P338 - P321 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

SPECIFICATIONS
deuteration degree: min. 99,8 %
water (K.F., H2O + D2O): max. 0,02 %
performance test (NMR-spectrum): passes test

Scharlau

Chloroform-d, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®

- CDCl3
- M = 120,38 g/mol
- CAS [865-49-6]
- EINECS-No.: 212-742-4
- Density: 1,50 g/cm3
- Solub. in water: (20 ºC): 8,2 g/l
- Melting point: -64,1 ºC
- Boiling point: 60 ºC
- Vapour pressure: (20 ºC) 211 hPa
- LD 50 (oral, rat): 908 mg/kg
- EC-Index-No.: 602-006-00-4
- ADR: 6.1 T1 III UN 1888
- IMDG: 6.1 III UN 1888
- IATA/ICAO: 6.1 III UN 1888
- GHS-signal word: Danger
- GHS-H sentences: H331 - H372 - H351 - H361d - H302 - H315 - H319
- GHS-P sentences: P260 - P280 - P305+P351+P338 - P321 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

SPECIFICATIONS
deuteration degree: min. 99,8 %
water (K.F., H2O + D2O): max. 0,01 %
performance test (NMR-spectrum): passes test

Scharlau

Deuterium oxide, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®

- Synonyms: Heavy water
- D2O
- M = 20,03 g/mol
- CAS [7789-20-0]
- EINECS-No.: 232-148-9
- Density: 1,11 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: 3,8 ºC
- Boiling point: 101 ºC
- Tariff number: 2845 10 00 00
- Applications: for nuclear magnetic resonance spectroscopy, for nuclear reactions.

SPECIFICATIONS

deuteration degree: min. 99,8 %
performance test (NMR-spectrum): passes test

Dichloromethane-d2, deuteration degree min. 99,5%, NMR spectroscopy grade, Spectrosol®

- Synonyms: Methylene chloride-d2, Dideuteromethylene chloride, Dideuterodichloromethane
- CCl2D2
- M = 86,95 g/mol
- CAS [1665-00-5]
- EINECS-No.: 216-776-0
- Density: 1,36 g/cm3
- Solub. in water: (20 ºC): 20 g/l
- Melting point: -97 ºC
- Boiling point: 39 ºC
- Ignition temp.: 605 ºC
- Vapour pressure: (20ºC) ~ 450 hPa
- LD 50 (oral, rat): 1600 mg/kg
- EC-Index-No.: 602-004-00-3
- ADR: 6.1 T1 III UN 1593
- IMDG: 6.1 III UN 1593
- IATA/ICAO: 6.1 III UN 1593
- GHS-signal word: Warning
- GHS-H sentences: H351
- GHS-P sentences: P280 - P201 - P202 - P308+P313 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

SPECIFICATIONS
deuteration degree: min. 99,5 %
water (K.F., H2O + D2O): max. 0,03 %
performance test (NMR-spectrum): passes test

Dimethyl sulfoxide-d6, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®

- Synonyms: Methylsulfoxide deuterated, DMSO deuterated, Hexadeuterodimethyl sulfoxyde
- C2D6OS
- M = 84,17 g/mol
- CAS [2206-27-1]
- EINECS-No.: 218-617-0
- Density: 1,19 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: 20,2 ºC
- Boiling point: 190 ºC
- Flash pt. 88 ºC
- Ignition temp.: 270 ºC
- Vapour pressure: (20 ºC) 2,5 hPa
- Refraction index: (20 ºC) 1,48
- LD 50 (oral, rat): 17500 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319
- GHS-P sentences: P280 - P264 - P305+P351+P338 - P321 - P332+P313 - P337+P313
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

SPECIFICATIONS
deuteration degree: min. 99,8 %
water (K.F., H2O + D2O): max. 0,03 %
performance test (NMR-spectrum): passes test

Methanol-d4, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®

- Synonyms: Tetradeuteromethanol
- CD3OD
- M = 36,07 g/mol
- CAS [811-98-3]
- EINECS-No.: 212-378-6
- Density: 0,89 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: -99 ºC
- Boiling point: 65 ºC
- Flash pt. 11 ºC
- Ignition temp.: 455 ºC
- LD 50 (oral, rat): 5628 mg/kg
- ADR: 3 FT1 II UN 1230
- IMDG: 3 II UN 1230
- IATA/ICAO: 3 II UN 1230
- GHS-signal word: Danger
- GHS-H sentences: H225 - H301 - H311 - H331 - H370
- GHS-P sentences: P210 - P241 - P303+P361+P353 - P370+P378 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

SPECIFICATIONS
deuteration degree: min. 99,8 %
water (K.F., H2O + D2O): max. 0,03 %
performance test (NMR-spectrum): passes test

Pyridine-d5, deuteration degree min. 99,95%, NMR spectroscopy grade, Spectrosol®

Tetrahydrofuran-d8, deuteration degree min. 99,5%, NMR spectroscopy grade, Spectrosol®

Toluene-d8, deuteration degree min. 99,5%, NMR spectroscopy grade, Spectrosol®

Trifluoroacetic acid-d, deuteration degree min. 99,5%, NMR spectroscopy grade, Spectrosol®

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70 Казахстан +7(7172)727-132 Киргизия +996(312)96-26-47

эл.почта: sbu@nt-rt.ru || сайт: https://scharlab.nt-rt.ru