



Scharlau

The wise choice

Petrochemical Industry



Scharlau products for Petrochemistry

Scharlab is aware of the importance of the analysis of the raw and refined products produced. The products obtained from this industry can be classified, in order of annual production in Diesel, Gasoline, Kerosene and Fuel Oil.

This brochure collects all the reagents and materials necessary for the different analyses and determinations required in Petrochemistry production processes. They are ordered by analysis and their international regulations.

Contact our **Petrochemical expert** to answer all your queries.
Contact through helpdesk@scharlab.com



Chemicals and reagents

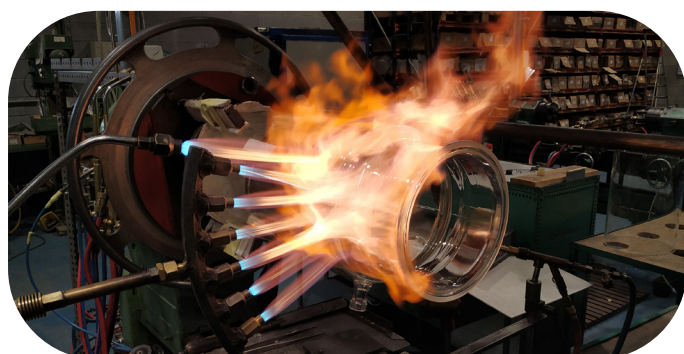
In response to the various applications and requirements that laboratory chemicals need to fulfil, we offer our customers a wide variety of grades for both, general and specific solvents and reagents.

All products we manufacture or distribute have written specifications available to customers via our catalogues and technical documentation.



Chromatography supplies

In Scharlab, we are specialists in chromatography. We offer from the most general products such as syringe filters or vials, to HPLC columns, GC columns, as well as all the products necessary for sample preparation. We also offer chromatography solutions to all types of laboratory, offering not only products but also chromatography services (courses, method development...).



ASTM glassware

ASTM's glass standards are instrumental in specifying, testing, and evaluating the chemical, physical, and mechanical properties of various materials and products made of glass, ceramic, or clay. Scharlab has manufactured laboratory and petrochemical glassware, according ASTM standard, for more than 40 years.

We are one of the leading suppliers of scientific laboratory glassware made with high quality chemical and heat-resistant borosilicate glass, as well as for customised special products.

Diesel

This section collects all the reagents and materials necessary for different analyses and determinations required in Diesel production processes. They are ordered by analysis and by international regulations.

DENSITY (ASTM D 4052)

CHEMICALS*

AC0302 Acetone, EssentQ®, for cleaning

CONSUMABLES

0005410002 Syringe 2 ml, disposable, two pieces 100 u

CETANE NUMBER (ASTM D 7668)

CHEMICALS*

12046 n-Hexadecane, 99%
15625 2,2,4,4,6,8,8-Heptamethylnonane, 98%
12658 Methylcyclohexane, 99%
ET0166 Ethylene glycol, for analysis, ExpertQ®, Reag. Ph Eur
HE0135 n-Heptano, 99%, ASTM
AG0002 Water, for analysis, ExpertQ®

GLASSWARE

073-201634 Volumetric flask, 200 ml, H 14/23, Class A 2 u
073-201635 Volumetric flask, 250 ml, H 14/23, Class A 2 u
073-201636 Volumetric flask, 500 ml, H 19/26, Class A 2 u
073-201754 Glass graduated cylinder, 250 ml, Class A 2 u
073-001755 Glass graduated cylinder, 500 ml, Class A 2 u
073QS06909 Burette, 200 ml, with double pass key 1 u

FAME (FATTY ACID METHYL ESTERS) (EN 14078)

CHEMICALS*

PE0097 n-Pentane, 99%, HPLC grade
ET0015 Ethanol absolute, Multisolvant®, HPLC grade, ACS, ISO, UV-VIS
CI0039 Cyclohexane, Multisolvant®, HPLC grade, ACS, ISO, UV-VIS
PO0168 Potassium bromide, IR spectroscopy grade

CONSUMABLES

0005410010 Syringe 10 ml, two pieces 100 u
027-011000 Biosafety container in PP, 1 l 1 u

DISTILLATION (ASTM D 86)

CHEMICALS*

AC0302 Acetone, EssentQ®, for cleaning
TO0083 Toluene, ASTM
HE0227 n-Hexane, 96%, EssentQ®

GLASSWARE

073-019421 Distilling flask, 125 ml 1 u
073-D86024 Graduated cylinder, 100 ml 1 u

CLOUD POINT (ASTM D 5772)

CHEMICALS*

AC0306 Acetone, EssentQ®
ME0302 Methanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

GLASSWARE

0033510105 Beaker, low form, graduated, 100 ml 1 u

VISCOSITY 40 °C (ASTM D 445)

CHEMICALS*

CR0210 Chromic mixture
TO0072 Toluene, EssentQ®
AC0314 Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

GLASSWARE

073-001418 Cannon-Fenske viscosimeter Serie n° 200 1 u
0033510108 Beaker, low form, graduated, 250 ml 1 u

CONSUMABLES

0005410002 Syringe 2 ml, two pieces 100 u
0005410005 Syringe 5 ml, two pieces 100 u

CFPP (COLD FILTER PLUGGING POINT) (EN 116)

CHEMICALS*

HE0125 n-Heptane, 99%, EssentQ®
IS0153 Isooctane, EssentQ®
AC0306 Acetone, EssentQ®

GLASSWARE

0033510105 Beaker, low form, graduated, 100 ml 1 u
073QS04247 Test vessel, flat bottom, 34 x 120 mm 1 u

CONSUMABLES

CFILAT Filter paper, qualitative, low ash grade, retention 5-7 µm 100 u

WATER KARL FISCHER (EN ISO 12937)

CHEMICALS*

TA0141 Molecular sieve 4 Å, pearl-shaped, 2-3 mm
11710 Dioctyl sulfosuccinate, sodium salt, 96%
AQ0018 Aquagent® Coulometric A
AQ0025 Aquagent® Coulometric Oil
AQ0014 Aquagent® Coulometric CG
AQ0032 Aquagent® Coulometric AK
AQ0013 Aquagent® Coulometric CG-K
AQ0019 Aquagent®, standard solution 1
AQ0012 Aquagent®, standard solution 0.1
XI0055 Xylene, mixture of isomers, for analysis, ExpertQ®, ACS, Reag. Ph Eur
TO0075 Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

GLASSWARE

073-262100 Glass desiccator, screw plastic cap, Ø100 mm 1 u
3016000004 Glass syringe, 10 ml 1 u
3016000001 Glass syringe, 2 ml 1 u
3016000000 Glass syringe, 1 ml 1 u

SULFUR (EN ISO 20846)		
CHEMICALS*		
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
10801	n-Butyl sulfide, 99%	
GLASSWARE		
073-201633	Volumetric flask, 100 ml, H 14/23, Class A	2 u
CONSUMABLES		
032-003300	SGE Syringe, 25 µl. Model 25F-LC	1 u
PAH (POLYCYCLIC AROMATIC HYDROCARBONS) (ISO 12916)		
STANDARDS		
NS11610100	1-Phenyldodecane	100 mg
NS23221000	o-Xylene	1 g
NS11620100	Hexamethylbenzene	100 mg
0C20905000	Naphthalene	100 mg
NS13000025	Fluorene	25 mg
NS15840050	Phenanthrene	50 mg
NS11140100	Dibenzothiophene	100 mg
NS11630100	9-Methylanthracene	100 mg
0C20670000	Chrysene	25 mg
CHEMICALS*		
CI0039	Cyclohexane, Multisolvent®, HPLC grade, ACS, ISO, UV-VIS	
HE0131	n-Heptane, 99%, HPLC grade	
CHROMATOGRAPHY		
070-B6Y807	Column KromaPhase, NH ₂ , part. 5 µm, porus 100 Å, DI 4 mm, long. 250 mm	1 u
070B9PY807	Precolumn KromaPhase, NH ₂ , part. 5 µm, porus 100 Å, DI 4 mm, long. 30 mm	1 u
VTRRB12X32	Clear glass vial, screw top 9-425, 12x32 mm	1 u
RBBSILCAP	Blue cap, screw 9-425, septum PTFE/Silicone	1 u
INSTRUMENTATION		
PRACT64-1S	Balance 60 g. 0.1 mg. Model PRACTUM64-1S	1 u
GLASSWARE		
073-001630	Volumetric flask, 10 ml, Class A	2 u
073-201633	Volumetric flask, 100 ml, Class A	2 u
SOLID PARTICLES (EN ISO 12662)		
CHEMICALS*		
HE0125	n-Heptane, 99%, EssentQ®	
XI0051	Xylene, mixture of isomers, EssentQ®	
AL0310	2-Propanol, EssentQ®	
GLASSWARE		
073-262200	Glass desiccator, screw plastic cap, Ø200 mm	1 u
0033510212	Beaker, graduated, 600 ml	1 u
0033510214	Beaker, low form, 1000 ml	1 u
073-001755	Glass graduated cylinder, 500 ml	1 u
073-001756	Glass graduated cylinder, 1000 ml	1 u
3591796001	Petri dish, 60 mm ø x 15 mm	18 u
CONSUMABLES		
GMFF	High retention glass microfiber filter	100 u
ES47045100	Cellulose nitrate membrane, 0.45 µm	100 u
0000016625	Tweezers, stainless steel	1 u
FLASH POINT (ASTM D93)		
CHEMICALS*		
AC0306	Acetone, EssentQ®	
GLASSWARE		
073-001364	Glass test for determining the freezing point	1 u

CARBON RESIDUE (ASTM D 4530)		
GLASSWARE		
073-262200	Glass desiccator, screw plastic cap, Ø100 mm	1 u
0000290005	Vial, 5 ml, GL18 thread, screw cap	190 u
0000290030	Vial, 36 ml, GL18 thread, screw cap	153 u
TOTAL INSOLUBLES (ASTM D 2274)		
CHEMICALS*		
IS0160	Isooctane, ASTM	
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
GLASSWARE		
073-201753	Glass graduated cylinder, 100 ml, Class A	2 u
073-D22744	Filtration equipment: ASTM D2274	1 u
ASHES (ASTM D 482)		
CHEMICALS*		
AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
OXIDATION STABILITY (EN 15751)		
CHEMICALS*		
IS0160	Isooctane, ASTM	
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
GLASSWARE		
073-201753	Glass graduated cylinder, 100 ml, Class A	2 u
LUBRICITY (ISO 12156-1)		
CHEMICALS*		
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
HE0135	n-Heptane, 99%, ASTM	
AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
TO0083	Toluene, ASTM	
INSTRUMENTATION		
0000000164	Ultrasonic unit, SONOREX SUP RK52 H, 1.8 l	1 u
502EL8845S	Digital timer - Alarm clock, 24 hours	1 u
GLASSWARE		
073-262200	Glass desiccator, screw plastic cap, Ø100 mm	1 u
0033510106	Beaker, low form, graduated, 150 ml	1 u
073-001755	Glass graduated cylinder, 500 ml, Class A	1 u
CONSUMABLES		
191000580	Dissecting forceps, stainless steel, straight blunt	1 u
191000801	Dissecting forceps, stainless steel, straight nose pliers	1 u
191000865	Dissecting forceps, stainless steel, curved blunt	1 u
191000864	Dissecting forceps, stainless steel, curved nose pliers	1 u
COPPER CORROSION (ASTM D 130)		
CHEMICALS*		
IS0160	Isooctane, ASTM	
CONSUMABLES		
0261313309	Tube without beaded rim, 25 x 150 mm	100 u
GLASSWARE		
CFISTAE	Standard filter paper, plane	100 u

→ *Different packagings and capacities available.

Gasoline

This section collects all the reagents and materials necessary for the different analyses and determinations required in Gasoline production processes. They are ordered by analysis and by international regulations.

DENSITY (ASTM D 4052)

CHEMICALS*

AC0306 Acetone, EssentQ®

CONSUMABLES

0005410002 Syringe 2 ml, two pieces 100 u

OCTANE NUMBER (ASTM D 2699 & ASTM D 2700)

CHEMICALS*

IS0160 Isooctane, ASTM

HE0135 n-Heptane, 99%, ASTM

GLASSWARE

073QS06909 Burette, 200 ml, with double pass key 1 u

VAPOUR PRESSURE DVPE 37.8 °C (EN 13016-1)

CHEMICALS*

PE0095 n-Pentane, 99%, EssentQ®

11148 Cyclopentane, 98%

GLASSWARE

004616103V Syringe 10 ml, three pieces 100 u

027-011000 Biosafety container in PP, 1 l 1 u

DISTILLATION (ASTM D 86)

CHEMICALS*

HE0227 n-Hexane, 96%, EssentQ®

TO0075 Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

AC0314 Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

GLASSWARE

073-019421 Distilling flask, 125 ml 1 u

073-D86024 Graduated cylinder, 100 ml 1 u

HYDROCARBON TYPES & OXYGENATES (EN ISO 22854)

CHEMICALS*

AC0302 Acetone, EssentQ®, for cleaning

CHROMATOGRAPHY

VTRCR12X32 Clear glass vial, crimp top, 12x32 mm 100 u

CRIMPCAP12 Aluminium cap with PTFE/rubber septum 100 u

SULFUR (EN ISO 20846)

GLASSWARE

073-201633 Volumetric flask, 100 ml, H 14/23, Class A 2 u

CHROMATOGRAPHY

032-003300 SGE Syringe, 25 µl. Model 25F-LC 1 u

INDUCTION PERIOD (ASTM D 525)

CHEMICALS*

TO0072 Toluene, EssentQ®

AC0306 Acetone, EssentQ®

LEAD (ASTM D 3237)

CHEMICALS*

46357 Aliquat® 336TG

ME0493 Methyl isobutyl ketone, for analysis, ExpertQ®, ACS

YO0021 Iodine, pearls, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

TO0075 Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

PL0120 Lead(II) chloride, EssentQ®

GLASSWARE

073-201632 Volumetric flask, 50 ml, H 12/21, Class A 2 u

073-201633 Volumetric flask, 100 ml, H 14/23, Class A 2 u

073-201635 Volumetric flask, 250 ml, H 14/23, Class A 2 u

073-201637 Volumetric flask, 1000 ml, H 24/29, Class A 2 u

073-991677 Volumetric pipette, 1 mark, 2 ml, Class AS 5 u

073-991678 Volumetric pipette, 1 mark, 5 ml, Class AS 5 u

073-991679 Volumetric pipette, 1 mark, 10 ml, Class AS 5 u

073-991681 Volumetric pipette, 1 mark, 20 ml, Class AS 5 u

073-991683 Volumetric pipette, 1 mark, 50 ml, Class AS 2 u

CONSUMABLES

425-132110 Automatic micropipette, 10-100 µl. Model PL100 1 u

000P5200-2 Universal pipette tips (rack), 5-200 µl 10x96 u

EXTENDABLE RUBBERS (ASTM D 381)

CHEMICALS*

TO0072 Toluene, EssentQ®

AC0306 Acetone, EssentQ®

HE0135 n-Heptane, 99%, ASTM

GLASSWARE

073-016138 Cups for gum content in fuels, 100 ml 1 u

073-262250 Glass desiccator with plastic knob, ø250 mm 1 u

073-201752 Graduated cylinder, 50 ml, Class A 2 u

0A300230FL Thermometer, ASTM 13C, 155-170 °C 1 u

COPPER CORROSION (ASTM D 130)

CHEMICALS*

IS0160 Isooctane, ASTM

CONSUMABLES

CFISTAE Standard filter paper, plane 100 u

GLASSWARE

0261313309 Tube without beaded rim, 25x150 mm 100 u

→ *Different packagings and capacities available.

Custom-made products

The challenges facing professionals in laboratories and industry research centres vary. To address these needs, in addition to our comprehensive catalogue, we offer a wide range of solutions developed by our R&D department and certified by our laboratory. Among them are chemicals, culture media, glassware and standards and mixes of organic compounds and pesticides. We also manufacture for other brands.



Safety

Disposable blue-violet SOFT-TOUCH nitrile gloves, powder-free, for examination

- Category III gloves for protecting user's hands from chemical, microbiological and viral risks.
- Greater touch sensitivity.
- Smooth external surface on the wrist and palm, and finely textured fingertips to improve grip.
- Recommended in any field in which oils, greases and solvents are frequently handled.

Contact our **Petrochemical expert** to answer all your queries.
Contact through helpdesk@scharlab.com

Kerosene

This section collects all the reagents and materials necessary for the different analyses and determinations required in Kerosene production processes. They are ordered by analysis and by international regulations.

DENSITY (ASTM D 4052)

CHEMICALS*

AC0306 Acetone, EssentQ®

CONSUMABLES

0005410002 Syringe 2 ml, two pieces 100 u

FAME (FATTY ACID METHYL ESTERS) (IP 585)

STANDARDS

PSTMIX0057 FAME mix in n-dodecane 1 ml

PS36140001 Methyl heptadecanoate-d33 in n-dodecane 1 ml

CHROMATOGRAPHY

032-002000 Syringe SGE 10 µl, Model 10F 1 u

VTRRB12X32 Clear glass vial, screw top 9-425, 12x32 mm 100 u

GLASSWARE

073-991720 Graduated pipette, 10 ml, Class AS 5 u

073-201633 Volumetric flask, 100 ml, H 14/23, Class A 2 u

073-001630 Volumetric flask, 10 ml, H 10/19, Class A 2 u

0033527308 Erlenmeyer flask n+B32:D39arrow neck, 250 ml 1 u

TOTAL ACIDITY (ASTM D 3242)

CHEMICALS*

PO0294 Potassium hydroxide, solution 0,01 M in 2-propanol

BA0065 Barium hydroxide octahydrate, for analysis, ExpertQ®, ACS, ISO

PO0130 Potassium hydrogen phthalate, for analysis, ExpertQ®,

TO0075 Toluene, for analysis, ExpertQ®, ACS, ISO

AL0316 2-Propanol, dried (max. 0.01% H₂O), for analysis, ExpertQ®, ACS, ISO

FE0496 Phenolphthalein, solution 1% in etanol, indicator

GLASSWARE

073-0Q7920 Erlenmeyer flask for Acidity, 500 ml 1 u

073-001520 Straight burette, conical PTFE stopcock, 10 ml 1 u

073-001521 Straight burette, conical PTFE stopcock, 25 ml 1 u

AROMATICS (ASTM D 1319)

CHEMICALS*

GE0049 Silica gel 60, 0,06-0,2 mm, (70-230 mesh ASTM)

ME0376 Isoamyl alcohol, for analysis, ExpertQ®, ACS

AL0312 2-Propanol, for analysis, ExpertQ®, ACS, ISO

AC0306 Acetone, EssentQ®

SO1004 Buffer solution pH = 4,00 (20 °C)

SO1007 Buffer solution pH = 7,00 (20 °C)

GLASSWARE

073-00581B FIA Column, Hydrocarbons Det., ASTM D 1319 1 u

CHROMATOGRAPHY

3016000003 Glass syringe, glass Luer cone, 5 ml 1 u

CLOUD POINT (ASTM D 5772)

CHEMICALS*

AC0306 Acetone, EssentQ®

ME0302 Methanol, for analysis, ExpertQ®, ACS, ISO

GLASSWARE

0033510105 Beaker, low form, graduated, 100 ml 1 u

SULFUR MERCAPTANS (ASTM D 3227)

CHEMICALS*

44775 Cadmium sulfate, anhydrous, ACS

PO0410 Potassium iodide, for analysis, ExpertQ®, ACS, ISO

AL0312 2-Propanol, for analysis, ExpertQ®, ACS, ISO

PL0050 Silver nitrate, for analysis, ExpertQ®, ACS, ISO

AC1600 Nitric acid, 69,5%, for analysis, ExpertQ®, ACS, ISO

AC2065 Sulfuric acid, 95-97%, EssentQ®

AC0343 Acetic acid glacial, EssentQ®

SO0025 Sodium acetate trihydrate, for analysis, ExpertQ®, ACS, ISO

SO0673 Sodium sulfide hydrate, EssentQ®

GLASSWARE

073-991681 Volumetric pipette, 1 mark, 20 ml, Class AS 5 u

073-991683 Volumetric pipette, 1 mark, 50 ml, Class AS 2 u

073-000297 Separating funnel, glass stopcock, H 29/32, 250 ml 1 u

073-000298 Separating funnel, glass stopcock, H 29/32, 500 ml 1 u

SULFUR (ASTM D 4294)

STANDARDS

0C12256500 Dibuthylsulfide 250 mg

GLASSWARE

073-201633 Volumetric flask, 100 ml, H 14/23, Class A 2 u

073-991305 Graduated pipette, 0,5 ml, Class AS 5 u

073-991717 Graduated pipette, 2 ml, Class AS 5 u

073-991720 Graduated pipette, 10 ml, Class AS 5 u

073-991721 Graduated pipette, 25 ml, Class AS 5 u

DISTILLATION (ASTM D 86)

CHEMICALS*

AC0302 Acetone, EssentQ®, for cleaning

TO0083 Toluene, ASTM

HE0227 n-Hexane, 96%, EssentQ®

GLASSWARE

073-019421 Distilling flask, 125 ml 1 u

073-D86024 Glass graduated cylinder, ASTM D 86, 100 ml 1 u

FLASH POINT - ABEL (IP 170)**CHEMICALS***

AC0306	Acetone, EssentQ®	
SI0025	Silicone liquid, for heating baths, EssentQ®	

FREEZING POINT (ASTM D 2386)**CHEMICALS***

AC0306	Acetone, EssentQ®	
ET0002	Ethanol absolute, EssentQ®	
MA0080	Magnesium sulfate anhydrous, EssentQ®	
GE0043	Silica gel with humidity indicator, 2,5-6 mm	

GLASSWARE

073D238611	Apparatus for determination of Freezing point	1 u
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CONSUMABLES

0011902114	Thermometer ASTM 114C, from -80 to +20°C, Model 1114CC	1 u
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VISCOSITY (ASTM D 445)**CHEMICALS***

CR0210	Chromic mixture	
TO0072	Toluene, EssentQ®	
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO	

GLASSWARE

073-001418	Viscosimeter Cannon Serial n° 200	1 u
0033510108	Beaker, low form, graduated, 250 ml	1 u

CONSUMABLES

0005410002	Syringe 2 ml, two pieces	100 u
0005410005	Syringe 5 ml, two pieces	100 u

THERMAL OXIDATION STABILITY (ASTM D 3241)**CHEMICALS***

IS0153	2,2,4-Trimethylpentane, EssentQ®	
TO0072	Toluene, EssentQ®	
AC0306	Acetone, EssentQ®	
AL0310	2-Propanol, EssentQ®	
CA0285	Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS	
CO0025	Cobalt(II) chloride hexahydrate, EssentQ	

GLASSWARE

073-001756	Glass graduated cylinder, 1 l, Class A	1 u
0033510112	Beaker, low form, graduated, 600 ml	1 u

COPPER CORROSION (ASTM D 130)**CHEMICALS***

IS0160	2,2,4-Trimethylpentane, ASTM	
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CONSUMABLES

CFISTAE	Standard filter paper, plane	100 u
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GLASSWARE

0261313309	Tube without beaded rim, 25x150 mm	100 u
073-D13001	Plane glass test tube for inspection	1 u

PARTICLES (ASTM D 5452)**CHEMICALS***

AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO	
ET0092	Petroleum ether, boiling range 40-60 °C, for analysis, ExpertQ®, ACS, ISO	

CONSUMABLES

073-001119	Complete simple filtration unit, 47 mm	1 u
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SAYBOLT COLOUR (ASTM D 6045)**CHEMICALS***

KE0101	Aliphatic hydrocarbons mixture, EssentQ®	
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SMOKE POINT (ASTM D 1322)**CHEMICALS***

TO0083	Toluene, ASTM	
IS0160	2,2,4-Trimethylpentane, ASTM	
ME0314	Methanol, 99,9%, anhydrous (max. 0,003% H ₂ O)	
HE0135	n-Heptane, 99%, ASTM	

GLASSWARE

073-991676	Volumetric pipette, 1 mark, 1 ml, Class AS	5 u
073-991677	Volumetric pipette, 1 mark, 2 ml, Class AS	5 u
073-991678	Volumetric pipette, 1 mark, 5 ml, Class AS	5 u
073-991679	Volumetric pipette, 1 mark, 10 ml, Class AS	5 u
073-991681	Volumetric pipette, 1 mark, 20 ml, Class AS	5 u
073-991682	Volumetric pipette, 1 mark, 25 ml, Class AS	5 u
073-991683	Volumetric pipette, 1 mark, 50 ml, Class AS	2 u
073-001520	Straight burette, conical PTFE stopcock, 10 ml	1 u
073-001521	Straight burette, conical PTFE stopcock, 25 ml	1 u
073-001522	Straight burette, conical PTFE stopcock, 50 ml	1 u

NAPHTHALENES (ASTM D 1840)**CHEMICALS***

AC0306	Acetone, EssentQ®	
IS0160	2,2,4-Trimethylpentane, ASTM	

GLASSWARE

073-991678	Volumetric pipette, 1 mark, 5 ml, Class AS	5 u
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EXISTENT GUMS (IP 540)**CHEMICALS***

AC0306	Acetone, EssentQ®	
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO	
HE0127	n-Heptane, 99%, for analysis, ExpertQ®	
AC2065	Sulfuric acid, 95-97%, EssentQ®	
AM0370	Ammonium peroxodisulfate, EssentQ®	

GLASSWARE

0033510205	Beaker, tall form, graduated, 100 ml	1 u
073-1130-0	Cylindrical funnel, ø140 mm, with porous plate n° 0	1 u
073-201752	Graduated cylinder, 50 ml, Class A	2 u
073-001757	Graduated cylinder, 2 l, Class A	1 u

WATER REACTION (ASTM D 1094)**CHEMICALS***

AC0302	Acetone, EssentQ®, for cleaning	
HE0234	n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS	
AC2065	Sulfuric acid, 95-97%, EssentQ®	
SO0260	Sodium dichromate dihydrate, for analysis, ExpertQ®, ACS	
SO1007	Buffer solution pH = 7,00 (20 °C)	

GLASSWARE

073-D10941	Glass graduated cylinder with glass stopper, 100 ml	1 u
0033510108	Beaker, low form, graduated, 250 ml	1 u

→ *Different packagings and capacities available.

Fuel Oil

This section collects all the reagents and materials necessary for the different analyses and determinations required in Fuel Oil production processes. They are ordered by analysis and by international regulations.

DENSITY (ASTM D 4052)

CHEMICALS*

AC0306 Acetone, EssentQ®

CONSUMABLES

0005410002 Syringe 2 ml, two pieces 100 u

VISCOSITY (ASTM D 445)

CHEMICALS*

CR0210 Chromic mixture

TO0072 Toluene, EssentQ®

AC0314 Acetone, for analysis, ExpertQ®, ACS, ISO

GLASSWARE

073-001418 Cannon viscosimeter, Serial n° 200 1 u

0033510108 Beaker, low form, graduated, 250 ml 1 u

CONSUMABLES

0005410002 Syringe 2 ml, two pieces 100 u

0005410005 Syringe 5 ml, two pieces 100 u

000FG11670 Thermometer, solid stem, B11:D22 mm, -10 to +50 °C 1 u

HYDROGEN SULFIDE CONTENT (IP 570)

CHEMICALS*

TO0072 Toluene, EssentQ®

ET0100 Petroleum ether, 60-80 °C, EssentQ®

AC0306 Acetone, EssentQ®

GLASSWARE

073-001521 Straight burette, conical PTFE stopcock, 25 ml 1 u

073-991715 Graduated pipette, 1 ml, Class AS 5 u

CONSUMABLES

0005410005 Syringe 5 ml, two pieces 100 u

ASPHALTENES (IP 143)

CHEMICALS*

HE0135 n-Heptane, 99%, ASTM

TO0083 Toluene, ASTM

GLASSWARE

073-D65601 Apparatus for asphaltene extraction, ASTM D 6560 1 u

073-006524 Vacuum dissicator, Ø200 mm, rotative valve, porcelain plate 1 u

073-05250V Glass rod, 250 mm, Ø5 mm 10 u

POUR POINT (ASTM D 5950)

CHEMICALS*

ME0302 Methanol, for analysis, ExpertQ®, ACS, ISO

HE0227 n-Hexane, 96%, EssentQ®

ACID NUMBER (ASTM D 664)

CHEMICALS*

ME0302 Methanol, for analysis, ExpertQ®, ACS, ISO

AL0312 2-Propanol, for analysis, ExpertQ®, ACS, ISO

TO0075 Toluene, for analysis, ExpertQ®, ACS, ISO

CL0203 Chloroform, for analysis, ExpertQ®, ACS, ISO

ET0005 Ethanol absolute, for analysis, ExpertQ®, ACS, ISO

AC0741 Hydrochloric acid, 37%, for analysis, ExpertQ®, ACS, ISO

AC0746 Hydrochloric acid, solution 0,1M

PO0289 Potassium hydroxide, solution 0,1M in 2-propanol

LI0110 Lithium chloride, EssentQ®

SO1004 Buffer solution pH = 4,00 (20 °C)

SO1007 Buffer solution pH = 7,00 (20 °C)

SO1141 Buffer solution pH = 11,00 (20 °C)

INSTRUMENTATION

6709582010 Digital burette Opus®, titration 10 ml 1 u

GLASSWARE

073-001521 Straight burette, conical PTFE stopcock, 25 ml 1 u

073-201752 Graduated cylinder, 50 ml, Class A 2 u

073-991721 Graduated pipette, 25 ml, Class AS 5 u

0033510108 Beaker, low form, graduated, 250 ml 1 u

FLASH POINT (ASTM D 93)

CHEMICALS*

AC0306 Acetone, EssentQ®

GLASSWARE

073-001364 Glass test for determining the freezing point 1 u

SULFUR (ASTM D 4294)

STANDARDS

NS13910250 Dibutyl sulfide 250 mg

GLASSWARE

073-201633 Volumetric flask, 100 ml, H 14/23, Class A 2 u

073-991305 Graduated pipette, 0,5 ml, Class AS 5 u

073-991717 Graduated pipette, 2 ml, Class AS 5 u

073-991720 Graduated pipette, 10 ml, Class AS 5 u

073-991721 Graduated pipette, 25 ml, Class AS 5 u

CONSUMABLES

425-000625 Evaporation capsule PTFE, 25 ml, Ø42 mm 1 u

TOTAL SEDIMENT (FILTRATION) (ISO 10307-1)**CHEMICALS***

HE0135	n-Heptane, 99%, ASTM
TO0083	Toluene, ASTM

GLASSWARE

3016000005	Glass syringe, Luer cone, 20 ml	1 u
073-006524	Vacuum dissicator, Ø200 mm, rotative valve, porcelain plate	1 u
073-000838	Weighting bottle with internal lid, 60x40 mm	1 u
073-03200V	Glass rod, 200 mm, Ø3 mm	10 u
0033550104	Beaker, low form, graduated, 50 ml	1 u

CONSUMABLES

073-001119	Complete simple filtrating unit, 47 mm	1 u
000FG11580	Thermometer, rod scale, 200 mm, -10 to +110 °C	1 u

TOTAL SEDIMENT (AGEING) (ISO 10307-2)**CHEMICALS***

12046	n-Hexadecane, 99%
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GLASSWARE

073-001418	Erlenmeyer flask, narrow neck, 50 ml	1 u
0033793101	Funnel, Ø30 mm	1 u
0000G11366	Thermometer, rod scale, 200 mm, -10 to +200 °C	1 u
073-001530	Burette, 5 ml, PTFE needle stopcock, with 300 ml reservoir	1 u

WATER BY DISTILLATION (ASTM D 95)**CHEMICALS***

XI0051	Xylene, mixture of isomers, EssentQ®
IS0153	Isooctane, EssentQ®

GLASSWARE

073-000712	Apparatus for the determination of water, complete, ASTM D 95	1 u
073-D95003	Additional collector 2.5:0.05 ml	1 u
073-019418	Additional collector 5:0.05 ml	1 u
073-019419	Additional collector 10:0.1 ml, PTFE stopcock	1 u
073-D95006	Additional collector 25:0.2 ml	1 u
073-D95007	Additional collector 25:0.2 ml, PTFE stopcock	1 u

ASH (ASTM D 482)**CHEMICALS***

AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO

CONSUMABLES

000E29 IR3	Platinum crucible, Ø50 mm, 75 ml	1 u
011-79MF/4	Porcelain crucible, Ø60 mm, 90 ml	1 u
011-079D/4	Porcelain crucible lid, Ø60 mm	1 u

CARBON RESIDUE (ASTM D 4530)**GLASSWARE**

0000290005	Glass vial, transparent, 5 ml, GL18 thread, screw cap	210 u
0000290030	Glass vial, transparent, 36 ml, GL18 thread, screw cap	153 u
073-262200	Glass dissicator, screw plastic cap, Ø200 mm	1 u

METALS BY ICP (IP 501)**CHEMICALS***

PO0272	Potassium hydrogen sulfate, EssentQ®
AZ0040	Sulfur flower, EssentQ®
AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO
AC0741	Hydrochloric acid, 37%, for analysis, ExpertQ®, ACS, ISO
AC0760	Hydrochloric acid-water, 50:50 v/v, for analysis, ExpertQ®
20694	Lithium tetraborate, 98%
19338	Lithium fluoride, 99,98%
AC3001	L(+)-Tartaric acid, for analysis, ExpertQ®, ACS
AC1618	Nitric acid, 69%, Ultratrace®, for analysis de trazas (ppt)
AL0754	Aluminium, standard solution 1000 mg/l for ICP
SI0016	Silicon, standard solution 1000 mg/l for ICP
VA0076	Vanadium, standard solution 1000 mg/l for ICP
NI0126	Nickel, standard solution 1000 mg/l for ICP
HI0291	Iron, standard solution 1000 mg/l for ICP
SO0009	Sodium, standard solution 1000 mg/l for ICP
CA0181	Calcium, standard solution 1000 mg/l for ICP
CI0129	Zinc, standard solution 1000 mg/l for ICP
FO0036	Phosphorus, standard solution 1000 mg/l for ICP

CONSUMABLES

CFIWAM0150	Ashless filter paper, WAM grade, Ø150 mm, retention 14-18 µm	100 u
FAB-0PI150	Plastic flask, GL45, 100 ml	20 u
FAB-TA1337	Polypropylene cap, GL45	20 u
FAB-PI1000	Plastic flask, GL60, 1 l	20 u
FAB-TAPS60	Polypropylene cap, GL60	20 u
073-991676	Volumetric pipette, 1 mark, 1 ml, Class AS	5 u
073-991677	Volumetric pipette, 1 mark, 2 ml, Class AS	5 u
073-991678	Volumetric pipette, 1 mark, 5 ml, Class AS	5 u
073-991679	Volumetric pipette, 1 mark, 10 ml, Class AS	5 u
073-991682	Volumetric pipette, 1 mark, 25 ml, Class AS	5 u
0033510112	Beaker, low form, graduated, 600 ml	1 u

GLASSWARE

→ *Different packagings and capacities available.

Scharlab Reader App

The Scharlab Reader App lets you obtain technical documents and mini safety labels by simply scanning the QR code on your Scharlau bottle. Instantly, at any time, users can download mini safety labels, Certificates of Analysis (CoA), Technical Data Sheets (TDS) and Safety Data Sheets (SDS) for their Scharlau products.

- The SDS are available in 16 languages (English, Spanish, German, French, Italian, Chinese, Polish, Danish, Portuguese, Australian English, Finnish, Greek, Hungarian, Norwegian, Romanian and Swedish) and the mini safety labels in 9 languages (English, Spanish, German, French, Italian, Chinese, Polish, Danish and Portuguese).

- The mini safety labels include colour hazard symbols, hazard indications (H) and precautionary statements (P). As they are downloaded from our website, the user can always access the most updated versions.
- The user interface is available in 6 languages (Spanish, English, Italian, French, German and Portuguese).

