

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.





ASTM quality

Scharlau's ASTM quality grade include reagents, solutions and mixtures used in the analysis of lubricants and petroleum derivatives, which are manufactured according to ASTM published methods.

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.

CETANE NUMBER (ASTM D 7668) CHEMICALS* 12046		DENSITY (ASTM D 4052)					
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 073-201754 Glass graduated cylinder, 250 ml, Class A 2 u 073-201755 Glass graduated cylinder, 500 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, Multisolvent®, HPLC grade, ACS, ISO, UV-VIS Cl0039 Cyclohexane, Multisolvent®, HPLC grade, ACS, ISO, UV-VIS P00168 Potassium bromide, IR spectroscopy grade CONSUMABLES 0005410010 Syringe 10 ml, two pieces 100 u 027-011000 Biosafety container in PP, 1 1 1 u DISTILLATION (ASTM D 86) CHEMICALS* AC0302 Acetone, EssentQ®, for cleaning T00083 Toluene, ASTM n-Hexane, 96%, EssentQ® GLASSWARE 073-019421 Distilling flask, 125 ml 1 u	CHEMICALS	S*					
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### HE0135	12658	Methylcyclohexane, 99%					
### AG0002 Water, for analysis, ExpertQ® GLASSWARE	ET0166	Ethylene glycol, for analysis, ExpertQ®, Reag. Ph Eur					
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PO0168 Potassium bromide, IR spectroscopy grade CONSUMABLES 0005410010 Syringe 10 ml, two pieces 100 u 027-011000 Biosafety container in PP, 1 I 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	ET0015	Ethanol absolute, Multisolvent®, HPLC grade, ACS, ISO, UV-VIS					
CONSUMABLES 0005410010 Syringe 10 ml, two pieces 100 u 027-011000 Biosafety container in PP, 1 I 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	CI0039	Cyclohexane, Multisolvent®, HPLC grade, ACS, ISO, UV-VIS					
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CHEMICALS* AC0302 Acetone, EssentQ®, for cleaning TO0083 Toluene, ASTM HE0227 n-Hexane, 96%, EssentQ® GLASSWARE 073-019421 Distilling flask, 125 ml 1 u	0005410010	Syringe 10 ml, two pieces	100 u				
CHEMICALS* AC0302 Acetone, EssentQ®, for cleaning TO0083 Toluene, ASTM HE0227 n-Hexane, 96%, EssentQ® GLASSWARE 073-019421 Distilling flask, 125 ml 1 u	027-011000	Biosafety container in PP, 1 I	1 u				
AC0302 Acetone, EssentQ®, for cleaning TO0083 Toluene, ASTM HE0227 n-Hexane, 96%, EssentQ® GLASSWARE 073-019421 Distilling flask, 125 ml 1 u		DISTILLATION (ASTM D 86)					
TO0083 Toluene, ASTM HE0227 n-Hexane, 96%, EssentQ® GLASSWARE 073-019421 Distilling flask, 125 ml 1 u	CHEMICALS	*					
HE0227 n-Hexane, 96%, EssentQ® GLASSWARE 073-019421 Distilling flask, 125 ml 1 u	AC0302	Acetone, EssentQ®, for cleaning					
GLASSWARE 073-019421 Distilling flask, 125 ml 1 u	TO0083	Toluene, ASTM					
073-019421 Distilling flask, 125 ml 1 u	HE0227	n-Hexane, 96%, EssentQ®					
	GLASSWAR	E					
073-D86024 Graduated cylinder, 100 ml 1 u	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	
GLASSWAR	E	
0033510105	Beaker, low form, graduated, 100 ml	1 u
	VISCOSITY 40 °C (ASTM D 445)	
CHEMICALS	*	
CR0210	Chromic mixture	4
TO0072	Toluene, EssentQ®	
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
GLASSWARE		
073-001418	Cannon-Fenske viscosimeter Serie nº 200	1 u
0033510108	Beaker, low form, graduated, 250 ml	1 u
CONSUMAE	BLES	
0005410002	Syringe 2 ml, two pieces	100 u
0005410005	Syringe 5 ml, two pieces	100 u
	CFPP (COLD FILTER PLUGING POINT) (EN 116)	
CHEMICALS	S*	
HE0125	n-Heptane, 99%, EssentQ®	
IS0153	Isooctane, EssentQ®	
AC0306	Acetone, EssentQ®	
GLASSWAR	E	
0033510105	Beaker, low form, graduated, 100 ml	1 u
073QS04247	Test vessel, flat bottom, 34 x 120 mm	1 u
CONSUMAB	LES	
CFILAT	Filter paper, qualitative, low ash grade, retention 5-7 µm	100 u
	WATER KARL FISCHER (EN ISO 12937)	
CHEMICALS	S*	
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	
GLASSWAR	E	
073-262100	Glass disiccator, screw plastic cap, Ø100 mm	1 u
3016000004	Glass syringe, 10 ml	1 u
3016000001	Glass syringe, 2 ml	1 u
2016000000		4

1 u

3016000000 Glass syringe, 1 ml



	SULFUR (EN ISO 20846)			CARBON RESIDUE (ASTM D 4530)	
CHEMICALS	S*		GLASSWARE	i e	
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur		073-262200	Glass disiccator, screw plastic cap, Ø100 mm	1 u
10801	n-Butyl sulfide, 99%		0000290005	Vial, 5 ml, GL18 thread, screw cap	190 ເ
GLASSWAR	E		0000290030	Vial, 36 ml, GL18 thread, screw cap	153 ເ
073-201633	Volumetric flask, 100 ml, H 14/23, Class A	2 u		TOTAL INSOLUBLES (ASTM D 2274)	
CONSUMAE	BLES		CHEMICALS	\$*	
032-003300	SGE Syringe, 25 µl. Model 25F-LC	1 u	IS0160	Isooctane, ASTM	
PAH (I	POLYCYCLIC AROMATIC HYDROCARBONS) (ISO 1291	6)	AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
STANDARD	s		ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
NS11610100	1-Phenyldodecane	100 mg	TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
NS23221000	o-Xylene	1 g	GLASSWARE	<u> </u>	
	Hexamethylbenzene	100 mg	073-201753	Glass graduated cylinder, 100 ml, Class A	2 u
	Naphthalene	100 mg	073-D22744	Filtration equipment: ASTM D2274	1 u
NS13000025	·	25 mg		ASHES (ASTM D 482)	
	Phenanthrene	50 mg	CHEMICALS		
	Dibenzothiophene	100 mg	AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
	9-Methylanthracene	100 mg	TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
0C20670000	,	25 mg	100070	OXIDATION STABILITY (EN 15751)	
CHEMICALS	•	20 1119	CHEMICALS	<u> </u>	
CI0039	Cyclohexane, Multisolvent®, HPLC grade, ACS, ISO, UV-VIS		IS0160	Isooctane, ASTM	
HE0131	n-Heptane, 99%, HPLC grade		AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
CHROMATO			ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
	Column KromaPhase, NH2, part. 5 µm, porus 100 Å,		TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
070-B6Y807	DI 4 mm, long. 250 mm	1 u	GLASSWARE		
070B9PY807	Precolumn KromaPhase, NH2, part. 5 μm, porus 100 Å, DI 4 mm, long. 30 mm	1 u			0
\/TDDD10V20	2 Clear glass vial, screw top 9-425, 12x32 mm	1 u	073-201753	Glass graduated cylinder, 100 ml, Class A	2 u
V I NND I Z X JZ	Clear glass viai, screw top 9-425, 12x52 mm	i u	OUEMONI O	LUBRICITY (ISO 12156-1)	
RBBLSILCAF	P Blue cap, screw 9-425, septum PTFE/Silicone	1 u	CHEMICALS		
INSTRUMEN	TATION		AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
PRACT64-1S	Balance 60 g. 0.1 mg. Model PRACTUM64-1S	1 u	HE0135	n-Heptane, 99%, ASTM	
GLASSWARE			AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	
073-001630	Volumetric flask, 10 ml, Class A	2 u	TO0083	Toluene, ASTM	
073-201633	Volumetric flask, 100 ml, Class A	2 u	INSTRUMEN		. /
	SOLID PARTICLES (EN ISO 12662)			Ultrasonic unit, SONOREX SUP RK52 H, 1.8 I	1 u
CHEMICALS	*			Digital timer - Alarm clock, 24 hours	1 u
HE0125	n-Heptane, 99%, EssentQ®		GLASSWAR		
	Xylene, mixture of isomers, EssentQ®		073-262200	Glass disiccator, screw plastic cap, Ø100 mm	1 u
XI0051		. // //	0033510106	Beaker, low form, graduated, 150 ml	1 u
	2-Propanol, EssentQ®			Olasa anadoratad adiadan FOO ad Olasa A	1 u
AL0310	2-Propanol, EssentQ®	1	073-001755	Glass graduated cylinder, 500 ml, Class A	
XI0051 AL0310 GLASSWARE 073-262200	.	1 u	CONSUMAE		1 4
AL0310 GLASSWARE 073-262200	Glass disiccator, screw plastic cap, Ø200 mm	1 u			1 u
AL0310 GLASSWARE 073-262200 0033510212	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml	1 u	CONSUMAE	BLES	
AL0310 GLASSWARE 073-262200 0033510212 0033510214	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml	1 u	191000580	Dissecting forceps, stainless steel, straight blunt	1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml	1 u 1 u 1 u	CONSUMAE 191000580 191000801	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers	1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755 073-001756	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml	1 u 1 u 1 u 1 u	191000580 191000801 191000865	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt	1 u 1 u 1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755 073-001756 3591796001	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml Petri dish, 60 mm ø x 15 mm	1 u 1 u 1 u	191000580 191000801 191000865	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt Dissecting forceps, stainless steel, curved nose pliers COPPER CORROSION (ASTM D 130)	1 u 1 u 1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755 073-001756 3591796001 CONSUMAB	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml Petri dish, 60 mm ø x 15 mm	1 u 1 u 1 u 1 u 18 u	191000580 191000801 191000865 191000864	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt Dissecting forceps, stainless steel, curved nose pliers COPPER CORROSION (ASTM D 130)	1 u 1 u 1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755 073-001756 3591796001 CONSUMAB GMFF	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml Petri dish, 60 mm ø x 15 mm LES High retention glass microfiber filter	1 u 1 u 1 u 1 u 18 u	191000580 191000801 191000865 191000864 CHEMICALS	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt Dissecting forceps, stainless steel, curved nose pliers COPPER CORROSION (ASTM D 130) * Isooctane, ASTM	1 u 1 u 1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755 073-001756 3591796001 CONSUMAB GMFF ES47045100	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml Petri dish, 60 mm ø x 15 mm LES High retention glass microfiber filter Cellulose nitrate membrane, 0.45 µm	1 u 1 u 1 u 1 u 1 u 1 u 100 u 100 u	191000580 191000801 191000865 191000864 CHEMICALS	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt Dissecting forceps, stainless steel, curved nose pliers COPPER CORROSION (ASTM D 130) * Isooctane, ASTM	1 u 1 u 1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755 073-001756 3591796001 CONSUMAB GMFF	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml Petri dish, 60 mm ø x 15 mm LES High retention glass microfiber filter Cellulose nitrate membrane, 0.45 µm Tweezers, stainless steel	1 u 1 u 1 u 1 u 18 u	CONSUMAE 191000580 191000801 191000865 191000864 CHEMICALS IS0160 CONSUMAE	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt Dissecting forceps, stainless steel, curved nose pliers COPPER CORROSION (ASTM D 130) * Isooctane, ASTM BLES Tube without beaded rim, 25 x 150 mm	1 u 1 u 1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001756 3591796001 CONSUMAB GMFF ES47045100 0000016625	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml Petri dish, 60 mm ø x 15 mm LES High retention glass microfiber filter Cellulose nitrate membrane, 0.45 µm Tweezers, stainless steel FLASH POINT (ASTM D93)	1 u 1 u 1 u 1 u 1 u 1 u 100 u 100 u	CONSUMAE 191000580 191000801 191000865 191000864 CHEMICALS IS0160 CONSUMAE 02613133309	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt Dissecting forceps, stainless steel, curved nose pliers COPPER CORROSION (ASTM D 130) * Isooctane, ASTM BLES Tube without beaded rim, 25 x 150 mm	1 u 1 u 1 u
AL0310 GLASSWARE 073-262200 0033510212 0033510214 073-001755 073-001756 3591796001 CONSUMAB GMFF ES47045100	Glass disiccator, screw plastic cap, Ø200 mm Beaker, graduated, 600 ml Beaker, low form, 1000 ml Glass graduated cylinder, 500 ml Glass graduated cylinder, 1000 ml Petri dish, 60 mm ø x 15 mm LES High retention glass microfiber filter Cellulose nitrate membrane, 0.45 µm Tweezers, stainless steel FLASH POINT (ASTM D93)	1 u 1 u 1 u 1 u 1 u 1 u 100 u 100 u	CONSUMAE 191000580 191000801 191000865 191000864 CHEMICALS IS0160 CONSUMAE 0261313309 GLASSWAR	Dissecting forceps, stainless steel, straight blunt Dissecting forceps, stainless steel, straight nose pliers Dissecting forceps, stainless steel, curved blunt Dissecting forceps, stainless steel, curved nose pliers COPPER CORROSION (ASTM D 130) * Isooctane, ASTM BLES Tube without beaded rim, 25 x 150 mm E	1 u 1 u 1 u 1 u

1 u

073-001364 Glass test for determining the freezing point



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®	
CONSUMABI	LES	
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	i e	
004616103V	Syringe 10 ml, three pieces	100 u
027-011000	Biosafety container in PP, 1/I	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	i e	
073-019421	Distilling flask, 125 ml	1 u
073-D86024	Graduated cylinder, 100 ml	1 u
Н	YDROCARBON TYPES & OXYGENATES (EN ISO 22854)	
CHEMICALS	*	
AC0302	Acetone, EssentQ®, for cleaning	
CHROMATO	GRAPHY	
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
CHROMATO	GRAPHY	
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	lodine, 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
No.	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
	CONSUMABL	LES	
	425-132110	Automatic micropipette, 10-100 μ l. Model PL100	1 u
	000P5200-2	Universal pipette tips (rack), 5-200 μ l	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 disiccator with plastic knob, ø250 mm	1 u
	073-201752	Graduated cylinder, 50 ml, Clase A	2 u
	0A300230FL	Thermometer, ASTM 13C, 155-170 °C	1 u
		COPPER CORROSION (ASTM D 130)	
	CHEMICALS'	•	
	IS0160	Isooctane, ASTM	
	CONSUMABI	LES	
	CFISTAE	Standard filter paper, plane	100 u
	GLASSWARE		
	0261313309	Tube without beaded rim, 25x150 mm	100 u

→ *Different packagings and capacities available.



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Safety Disposable blue-violet SOFTTOUCH nitrile gloves, powderfree, for examination

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- Greater touch sensitivity.
- Smooth external surface on the wrist and palm, and finely textured fingertips to improve grip.
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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)	
CHEMICAL	S*	
AC0306	Acetone, EssentQ®	
CONSUMAE	BLES	
0005410002	Syringe 2 ml, two pieces	100 u
	FAME (FATTY ACID METHYL ESTERS) (IP 585)	
STANDARD	s	
PSTMIX0057	FAME mix in n-dodecane	1 ml
PS36140001	Methyl heptadecanoate-d33 in n-dodecane	1 ml
CHROMATO	OGRAPHY	
032-002000	Syringe SGE 10 µI, Model 10F	1 u
VTRRB12X32	Clear glass vial, screw top 9-425, 12x32 mm	100 u
GLASSWAR	E	
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	5*	
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	
GLASSWAR	E	
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	S*	
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)	

GLASSWAR	E	
073-00581B	FIA Column, Hidrocarbons Det., ASTM D 1319	1 u
CHROMATO	GRAPHY	
3016000003	Glass syringe, glass Luer cone, 5 ml	1 u
	CLOUD POINT (ASTM D 5772)	
CHEMICALS	S*	
AC0306	Acetone, EssentQ®	
ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO	
GLASSWAR	E	
0033510105	Beaker, low form, graduated, 100 ml	1 u
	SULFUR MERCAPTANS (ASTM D 3227)	
CHEMICALS	5*	
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, ISC)
SO0673	Sodium sulfide hydrate, EssentQ®	
GLASSWAR	E	
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	S	
	•	250 mg
GLASSWAR		
		2 u
073-991721		5 u
CHEMICALS		
AC0302		
TO0083		
HE0227		
GLASSWAR	FIA Column, Hidrocarbons Det., ASTM D 1319 1 u OGRAPHY Glass syringe, glass Luer cone, 5 ml CLOUD POINT (ASTM D 5772) S* Acetone, EssentQ® Methanol, for analysis, ExpertQ®, ACS, ISO E Beaker, low form, graduated, 100 ml SULFUR MERCAPTANS (ASTM D 3227) S* Cadmium sulfate, anhydrous, ACS Potassium iodide, for analysis, ExpertQ®, ACS, ISO 2-Propanol, for analysis, ExpertQ®, ACS, ISO Silver nitrate, for analysis, ExpertQ®, ACS, ISO Silver nitrate, for analysis, ExpertQ®, ACS, ISO Sulfuric acid, 99,5%, for analysis, ExpertQ®, ACS, ISO Sulfuric acid glacial, EssentQ® Sodium acetate trihydrate, for analysis, ExpertQ®, ACS, ISO Sodium sulfide hydrate, EssentQ® E Volumetric pipette, 1 mark, 20 ml, Class AS Separating funnel, glass stopcock, H 29/32, 250 ml 1 u Separating funnel, glass stopcock, H 29/32, 500 ml 1 u SULFUR (ASTM D 4294) S Dibuthylsulfide 250 mg E Volumetric flask, 100 ml, H 14/23, Class A 2 u Graduated pipette, 2 ml, Class AS 5 u Graduated pipette, 2 ml, Class AS 5 u Graduated pipette, 25 ml, Class AS 5 u DISTILLATION (ASTM D 86) S* Acetone, EssentQ®, for cleaning Toluene, ASTM n-Hexane, 96%, EssentQ® E	
	Distilling flask, 125 ml	1 u
U/3-D86024	Glass graduated cylinder, ASTM D 86, 100 ml	1 u



	FLASH POINT - ABEL (IP 170)			SAYBOLT COLOUR (ASTM D 6045)	
CHEMICALS	S*		CHEMICALS		
AC0306	Acetone, EssentQ®		KE0101	Aliphatic hydrocarbons mixture, EssentQ®	
310025	Silicone liquid, for heating baths, EssentQ®			SMOKE POINT (ASTM D 1322)	
	FREEZING POINT (ASTM D 2386)		CHEMICALS		
CHEMICALS	5* 		TO0083	Toluene, ASTM	
AC0306	Acetone, EssentQ®		IS0160	2,2,4-Trimethylpentane, ASTM	
ET0002	Ethanol absolute, EssentQ®		ME0314	Methanol, 99,9%, anhydrous (max. 0,003% H ₂ O)	
0800AN	Magnesium sulfate anhydrous, EssentQ®		HE0135	n-Heptane, 99%, ASTM	
GE0043	Silica gel with humidity indicator, 2,5-6 mm		GLASSWAR	E	
GLASSWAR	E		073-991676	Volumetric pipette, 1 mark, 1 ml, Class AS	
73D238611	Apparatus for determination of Freezing point	1 u	073-991677	Volumetric pipette, 1 mark, 2 ml, Class AS	
CONSUMAE	BLES		073-991678	Volumetric pipette, 1 mark, 5 ml, Class AS	
011902114	Thermometer ASTM 114C, from -80 to +20°C, Model 1114CC	1 u	073-991679	Volumetric pipette, 1 mark, 10 ml, Class AS	
	VISCOSITY (ASTM D 445)		073-991681	Volumetric pipette, 1 mark, 20 ml, Class AS	
CHEMICALS	S*		073-991682	Volumetric pipette, 1 mark, 25 ml, Class AS	
CR0210	Chromic mixture		073-991683	Volumetric pipette, 1 mark, 50 ml, Class AS	
O0072	Toluene, EssentQ [®]		073-001520	Straight burette, conical PTFE stopcock, 10 ml	
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO		073-001521	Straight burette, conical PTFE stopcock, 25 ml	
GLASSWAR	E		073-001522	Straight burette, conical PTFE stopcock, 50 ml	
73-001418	Viscosimeter Cannon Serial nº 200	1 u		NAPHTHALENES (ASTM D 1840)	
033510108	Beaker, low form, graduated, 250 ml	1 u	CHEMICALS	s*	
CONSUMAE	BLES		AC0306	Acetone, EssentQ®	
0005410002	Syringe 2 ml, two pieces	100 u	IS0160	2,2,4-Trimethylpentane, ASTM	
	Syringe 5 ml, two pieces	100 u	GLASSWAR		
	THERMAL OXIDATION STABILITY (ASTM D 3241)		073-991678	Volumetric pipette, 1 mark, 5 ml, Class AS	
CHEMICALS	^			EXISTENT GUMS (IP 540)	
			CHEMICALS		
S0153	2,2,4-Trimethylpentane, EssentQ®		CHEMICALS	*	
S0153 FO0072	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ®		AC0306	Acetone, EssentQ®	
S0153 FO0072 AC0306	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ®		AC0306 TO0075	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO	
S0153 FO0072 AC0306 AL0310	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ®		AC0306 TO0075 HE0127	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ®	
S0153 FO0072 AC0306 AL0310 CA0285	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS		AC0306 TO0075 HE0127 AC2065	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ®	
S0153 F00072 AC0306 AL0310 CA0285 CO0025	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ		AC0306 TO0075 HE0127 AC2065 AM0370	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ®	
S0153 F00072 AC0306 AL0310 CA0285 CO0025 GLASSWAR	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ	16	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ®	
S0153 FO0072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A	16	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml	
S0153 FO0072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml	1 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0	
S0153 FO0072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130)		AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A	
S0153 F00072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130)		AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A	
S0153 FO0072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS S0160	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM		AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094)	
S0153 FO0072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS S0160 CONSUMAE	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES	1 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094)	
S0153 TO0072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS S0160 CONSUMAE CFISTAE	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane		AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) S* Acetone, EssentQ®, for cleaning	
S0153 F00072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS S0160 CONSUMAE CFISTAE GLASSWAR	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane E	1 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302 HE0234	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) S* Acetone, EssentQ®, for cleaning n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS	
\$0153 F00072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS \$0160 CONSUMAE CFISTAE GLASSWAR	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane	1 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302 HE0234 AC2065	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) S* Acetone, EssentQ®, for cleaning n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS Sulfuric acid, 95-97%, EssentQ®	
S0153 F00072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS S0160 CONSUMAE CFISTAE GLASSWAR 0261313309	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane E	1 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302 HE0234 AC2065 SO0260	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) S* Acetone, EssentQ®, for cleaning n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS Sulfuric acid, 95-97%, EssentQ® Sodium dichromate dihydrate, for analysis, ExpertQ®, ACS	
S0153 C00072 AC0306 AL0310 CA0285 C00025 GLASSWAR 073-001756 0033510112 CHEMICALS S0160 CONSUMAE CFISTAE GLASSWAR 0261313309	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane E Tube without beaded rim, 25x150 mm	1 u 100 u 100 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302 HE0234 AC2065 SO0260 SO1007	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) ** Acetone, EssentQ®, for cleaning n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS Sulfuric acid, 95-97%, EssentQ® Sodium dichromate dihydrate, for analysis, ExpertQ®, ACS Buffer solution pH = 7,00 (20 °C)	
CHEMICALS S0160 CONSUMAE CFISTAE GLASSWAR 0261313309	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane E Tube without beaded rim, 25x150 mm Plane glass test tube for inspection PARTICLES (ASTM D 5452)	1 u 100 u 100 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302 HE0234 AC2065 SO0260 SO1007 GLASSWAR	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) ** Acetone, EssentQ®, for cleaning n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS Sulfuric acid, 95-97%, EssentQ® Sodium dichromate dihydrate, for analysis, ExpertQ®, ACS Buffer solution pH = 7,00 (20 °C)	
S0153 F00072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS GLASSWAR 0261313309 073-D13001 CHEMICALS	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane E Tube without beaded rim, 25x150 mm Plane glass test tube for inspection PARTICLES (ASTM D 5452)	1 u 100 u 100 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302 HE0234 AC2065 SO0260 SO1007	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) ** Acetone, EssentQ®, for cleaning n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS Sulfuric acid, 95-97%, EssentQ® Sodium dichromate dihydrate, for analysis, ExpertQ®, ACS Buffer solution pH = 7,00 (20 °C)	
S0153 FO0072 AC0306 AL0310 CA0285 CO0025 GLASSWAR 073-001756 0033510112 CHEMICALS S0160 CONSUMAE CFISTAE GLASSWAR 0261313309 073-D13001	2,2,4-Trimethylpentane, EssentQ® Toluene, EssentQ® Acetone, EssentQ® 2-Propanol, EssentQ® Calcium sulfate dihydrate, for analysis, ExpertQ®, ACS Cobalt(II) chloride hexahydrate, EssentQ E Glass graduated cylinder, 1 I, Class A Beaker, low form, graduated, 600 ml COPPER CORROSION (ASTM D 130) S* 2,2,4-Trimethylpentane, ASTM BLES Standard filter paper, plane E Tube without beaded rim, 25x150 mm Plane glass test tube for inspection PARTICLES (ASTM D 5452)	1 u 100 u 100 u	AC0306 TO0075 HE0127 AC2065 AM0370 GLASSWAR 0033510205 073-1130-0 073-201752 073-001757 CHEMICALS AC0302 HE0234 AC2065 SO0260 SO1007 GLASSWAR	Acetone, EssentQ® Toluene, for analysis, ExpertQ®, ACS, ISO n-Heptane, 99%, for analysis, ExpertQ® Sulfuric acid, 95-97%, EssentQ® Ammonium peroxodisulfate, EssentQ® E Beaker, tall form, graduated, 100 ml Cylindrical funnel, ø140 mm, with porous plate n° 0 Graduated cylinder, 50 ml, Class A Graduated cylinder, 2 l, Class A WATER REACTION (ASTM D 1094) ** Acetone, EssentQ®, for cleaning n-Hexane, 96%, Multisolvent®, for HPLC, ACS, UV-VIS Sulfuric acid, 95-97%, EssentQ® Sodium dichromate dihydrate, for analysis, ExpertQ®, ACS Buffer solution pH = 7,00 (20 °C)	

1 u

073-001119 Complete simple filtration unit, 47 mm



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)	
CHEMICAL	S*	
AC0306	Acetone, EssentQ®	
CONSUMAI	BLES	
0005410002	Syringe 2 ml, two pieces	100 u
	VISCOSITY (ASTM D 445)	
CHEMICAL	S*	
CR0210	Chromic mixture	
TO0072	Toluene, EssentQ®	
AC0314	Acetone, for analysis, ExpertQ®, ACS, ISO	
GLASSWAF	RE	
073-001418	Cannon viscosimeter, Serial nº 200	1 u
0033510108	Beaker, low form, graduated, 250 ml	1 u
CONSUMA	BLES	
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)	
CHEMICAL	S*	
TO0072	Toluene, EssentQ®	
ET0100	Petroleum ether, 60-80 °C, EssentQ®	
AC0306	Acetone, EssentQ®	
GLASSWAF	E	
073-001521	Straight burette, conical PTFE stopcock, 25 ml	1 u
073-991715	Graduated pipette, 1 ml, Class AS	5 u
CONSUMAI	BLES	
0005410005	Syringe 5 ml, two pieces	100 u
	ASPHALTENES (IP 143)	
CHEMICAL	S*	
HE0135	n-Heptane, 99%, ASTM	
TO0083	Toluene, ASTM	
GLASSWAR	E	
073-D65601	Apparatus for asphaltene extraction, ASTM D 6560	1 u
	V	. 4
073-006524	Vacuum dissicator, Ø200 mm, rotative valve, porcelain plate	e 1u

	POUR POINT (ASTM D 5950)				
CHEMICAL	S*				
ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO				
HE0227	n-Hexane, 96%, EssentQ®				
	ACID NUMBER (ASTM D 664)				
CHEMICAL	S*				
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)				
INSTRUME	NTATION				
6709582010	Digital burette Opus®, titration 10 ml	1 u			
GLASSWAR	E				
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)				
CHEMICAL	S*				
AC0306	Acetone, EssentQ®				
GLASSWAR	E				
073-001364	Glass test for determining the freezing point	1 u			
	SULFUR (ASTM D 4294)				
STANDARD	s				
NS13910250	Dibutyl sulfide	250 mg			
GLASSWAR	E				
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			
CONSUMA	BLES				



	TOTAL SEDIMENT (FILTRATION) (ISO 10307-1)			METALS BY ICP (IP 501)	
CHEMICALS	S*		CHEMICALS	S*	
HE0135	n-Heptane, 99%, ASTM		PO0272	Potassium hydrogen sulfate, EssentQ®	
TO0083	Toluene, ASTM		AZ0040	Sulfur flower, EssentQ®	
GLASSWAR	E		AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO	
3016000005	Glass syringe, Luer cone, 20 ml	1 u	TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO	
073-006524	Vacuum dissicator, Ø200 mm, rotative valve, porcelain plate	1 u	AC0741	Hydrochloric acid, 37%, for analysis, ExpertQ®, ACS, ISO	
073-000838	Weighting bottle with internal lid, 60x40 mm	1 u	AC0760	Hydrochloric acid-water, 50:50 v/v, for analysis, ExpertQ®	
073-03200V	Glass rod, 200 mm, Ø3 mm	10 u	20694	Lithium tetraborate, 98%	
0033550104	Beaker, low form, graduated, 50 ml	1 u	19338	Lithium fluoride, 99,98%	
CONSUMAE	BLES		AC3001	L(+)-Tartaric acid, for analysis, ExpertQ®, ACS	
073-001119	Complete simple filtrating unit, 47 mm	1 u	AC1618	Nitric acid, 69%, Ultratrace®, for analysis de trazas (ppt)	
000FG11580	Thermometer, rod scale, 200 mm, -10 to +110 °C	1 u	AL0754	Aluminium, standard solution 1000 mg/l for ICP	
	TOTAL SEDIMENT (AGEING) (ISO 10307-2)		SI0016	Silicon, standard solution 1000 mg/l for ICP	
CHEMICALS	9*		VA0076	Vanadium, standard solution 1000 mg/l for ICP	
12046	n-Hexadecane, 99%		NI0126	Nickel, standard solution 1000 mg/l for ICP	
GLASSWAR	E		HI0291	Iron, standard solution 1000 mg/l for ICP	
073-001418	Erlenmeyer flask, narrow neck, 50 ml	1 u	SO0009	Sodium, standard solution 1000 mg/l for ICP	
0033793101	Funnel, Ø30 mm	1 u	CA0181	Calcium, standard solution 1000 mg/l for ICP	
0000G11366	Thermometer, rod scale, 200 mm, -10 to +200 °C	1 u	CI0129	Zinc, standard solution 1000 mg/l for ICP	
073-001530	Burette, 5 ml, PTFE needle stopcock, with 300 ml reservoir	1 u	FO0036	Phosphorus, standard solution 1000 mg/l for ICP	
	WATER BY DISTILLATION (ASTM D 95)		CONSUMAE	BLES	
CHEMICALS	5*		CFIWAM0150	Ashless filter paper, WAM grade, Ø150 mm, retention 14-18 μm	100
XI0051	Xylene, mixture of isomers, EssentQ®		FAB-0PI150	Plastic flask, GL45, 100 ml	20 ι
S0153	Isooctane, EssentQ®		FAB-TA1337	Polypropylene cap, GL45	20 (
GLASSWAR	E		FAB-PI1000	Plastic flask, GL60, 1 I	20 (
73-000712	Apparatus for the determination of water, complete, ASTM D 95 $$	1 u	FAB-TAPS60	Polypropylene cap, GL60	20
073-D95003	Additional collector 2.5:0.05 ml	1 u	GLASSWAR	E	
073-019418	Additional collector 5:0.05 ml	1 u	073-991676	Volumetric pipette, 1 mark, 1 ml, Class AS	5 u
073-019419	Additional collector 10:0.1 ml, PTFE stopcock	1 u	073-991677	Volumetric pipette, 1 mark, 2 ml, Class AS	5 u
073-D95006	Additional collector 25:0.2 ml	1 u	073-991678	Volumetric pipette, 1 mark, 5 ml, Class AS	5 u
73-D95007	Additional collector 25:0.2 ml, PTFE stopcock	1 u	073-991679	Volumetric pipette, 1 mark, 10 ml, Class AS	5 u
	ASH (ASTM D 482)		073-991682	Volumetric pipette, 1 mark, 25 ml, Class AS	5 u
CHEMICALS	3*		0033510112	Beaker, low form, graduated, 600 ml	1 u
AL0312	2-Propanol, for analysis, ExpertQ®, ACS, ISO				
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO				-
CONSUMAE	BLES			*Different packagings and capacities a	vailab
000E29 IR3	Platinum crucible, Ø50 mm, 75 ml	1 u			
)11-79MF/4	Porcelain crucible, Ø60 mm, 90 ml	1 u		1	
011-079D/4	Porcelain crucible lid, Ø60 mm	1 u			
	CARBON RESIDUE (ASTM D 4530)		A		
GLASSWAR	E				
0000290005	Glass vial, transparent, 5 ml, GL18 thread, screw cap	210 u			
0000290030	Glass vial, transparent, 36 ml, GL18 thread, screw cap	153 u			
070 000000	Class dissipator paravirulantia	4			

1 u

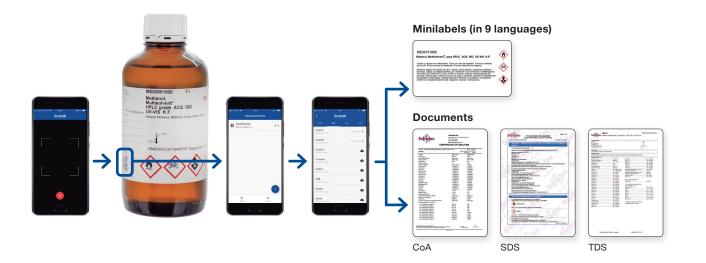
073-262200 Glass dissicator, screw plastic cap, Ø200 mm



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).
- \cdot 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).





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