

Diesel Analysis

The petrochemical industry is of the utmost importance in the 21st century. In Scharlab we are 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 Product Info collects all the reagents and materials necessary for the different analyses and determinations required in diesel production processes. They are ordered by analysis and by the international regulations that regulate them.

DENSITY (ASTM D 4052)		
CHEMISTRY*		
AC0302	Acetone, EssentQ®, for cleaning	-
CONSUMABLES		
0005410002	Syringe 2 ml, disposable, two pieces	100 u
CETANE NUMBER (ASTM D 7668)		
CHEMISTRY*		
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)		
CHEMISTRY*		
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)		
CHEMISTRY*		
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, ASTM D 86, 100 ml	1 u
CLOUD POINT (ASTM D 5772)		
CHEMISTRY*		
AC0306	Acetone, EssentQ®	-
ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	-
GLASSWARE		
0033510105	Beaker, low form, graduated, 100 ml	1 u

VISCOSITY (ASTM D 445)		
CHEMISTRY*		
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)		
CHEMISTRY*		
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, 34x120 mm	1 u
CONSUMABLES		
CFILAT	Filter paper, qualitative, low ash grade, retention 5-7 µm	100 u
WATER KARL FISCHER (EN ISO 12937)		
CHEMISTRY*		
TA0141	Molecular sieve 4 Å, pearl-shaped, 2-3 mm	-
11710	Diocetyl sulfosuccinate, sodium salt, 96%	-
AQ0018	Aquagent® Coulometric A	-
AQ0046	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

→ *Different packagings and capacities available.

SULPHUR (EN ISO 20846)

CHEMISTRY*		
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

CHEMISTRY*		
CI0039	Cyclohexane, Multisolvent®, HPLC grade, ACS, ISO, UV-VIS	-
HE0131	n-Heptane, 99%, HPLC grade	-

CHROMATOGRAPHY

070-B6Y807	Column KromaPhase, NH2, part. 5 µm, porus 100 Å, DI 4 mm, long. 250 mm	1 u
070B9PY807	Precolumn KromaPhase, NH2, part. 5 µm, porus 100 Å, DI 4 mm, long. 30 mm	1 u
VTRRB12X32	Clear glass vial, screw top 9-425, 12x32 mm	100 u
RBLSILCAP	Blue cap, screw 9-425, septum PTFE/Silicone	100 u

INSTRUMENTATION

PRACT64-1S	Balance 60 g. 0.1 mg. Model PRACTUM64-1S	1 u
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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)

CHEMISTRY*		
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
359-796001	Petri dish, 60 mm ø x 15 mm	1 u

CONSUMABLES		
GMFF	Filtro de microfibras de vidrio de alta retención	100 u
ES47045100	Cellulose nitrate membrane, 0.45 µm	100 u
0000016625	Tweezers, stainless steel	1 u

FLASH POINT (ASTM D93)

CHEMISTRY*		
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)

CHEMISTRY*		
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 D 2274	1 u

ASHES (ASTM D 482)

CHEMISTRY*		
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)

CHEMISTRY*		
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)

CHEMISTRY*		
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)

CHEMISTRY*		
IS0160	Isooctane, ASTM	-

GLASSWARE		
0261313309	Tube without beaded rim, 25 x 150 mm	100 u

CONSUMABLES		
CFISTAE	Standard filter paper, plane	100 u

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