

PRODUCT INFO

Kerosene 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 the Kerosene production processes. They are ordered by the analysis and by the international regulations.

DENSITY (ASTM D 4052)		
CHEMISTRY*		
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)		
CHEMISTRY*		
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®, ACS, ISO	-
TO0075	Toluene, for analysis, ExpertQ®, ACS, ISO	-
AL0316	2-Propanol, dried, para análisis, 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)		
CHEMISTRY*		
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)		
CHEMISTRY*		
AC0306	Acetone, EssentQ®	-
ME0302	Methanol, for analysis, ExpertQ®, ACS, ISO	-
GLASSWARE		
0033510105	Beaker, low form, graduated, 100 ml	1 u
SULPHUR MERCAPTANS (ASTM D 3227)		
CHEMISTRY*		
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
SULPHUR (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)		
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	Glass graduated cylinder, ASTM D 86, 100 ml	1 u

→ *Different packagings and capacities available.

FLASH POINT - ABEL (IP 170)

CHEMISTRY*		
AC0306	Acetone, EssentQ®	-
SI0025	Silicone liquid, for heating baths, EssentQ®	-

FREEZING POINT (ASTM D 2386)

CHEMISTRY*		
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

CONSUMABLES		
0011902114	Thermometer ASTM 114C, from -80 to +20°C, Model 1114CC	1 u

VISCOSITY (ASTM D 445)

CHEMISTRY*		
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)

CHEMISTRY*		
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)

CHEMISTRY*		
IS0160	2,2,4-Trimethylpentane, ASTM	-

CONSUMABLES		
CFISTAE	Standard filter paper, plane	100 u

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

PARTICLES (ASTM D 5452)

CHEMISTRY*		
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

SAYBOLT COLOUR (ASTM D 6045)

CHEMISTRY*		
KE0101	Aliphatic hydrocarbons mixture, EssentQ®	-

SMOKE POINT (ASTM D 1322)

CHEMISTRY*		
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)

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

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

EXISTENT GUMS (IP 540)

CHEMISTRY*		
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)

CHEMISTRY*		
AC0302	Acetone, EssentQ®, for cleaning	-
HE0234	n-Hexane, 96%, Multisolvant®, 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.

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