ET0101 Petroleum ether, boiling range 60 - 80 °C, ExpertQ®, for analysis

boiling range . . . . . 60 - 80 °C
density (20°/4°). . . . . 0,650 - 0,710
colour (Hazen) . . . . . max. 10
acidity . . . . . max. 0,0003 meq/g
aluminium (Al) . . . . . .max. 0,5 ppm
barium (Ba) . . . . . .max. 0,1 ppm
boron (B) . . . . . .max. 0,02 ppm
cadmium (Cd) . . . . . .max. 0,05 ppm
calcium (Ca). . . . . .max. 0,5 ppm
chromium (Cr) . . . . . .max. 0,02 ppm
cobalt (Co). . . . . .max. 0,02 ppm
copper (Cu) . . . . . .max. 0,02 ppm
iron (Fe) . . . . . .max. 0,1 ppm
lead (Pb). . . . . .max. 0,1 ppm
magnesium (Mg) . . . . . .max. 0,1 ppm
manganese (Mn) . . . . . .max. 0,02 ppm
nickel (Ni) . . . . . .max. 0,02 ppm
tin (Sn) . . . . . .max. 0,1 ppm
zinc (Zn) . . . . . .max. 0,1 ppm
iodine number . . . . . .max. 0,3
aromatic hydrocarbons (as C_6H_6). . . . . .max. 0,005 %
sulfur compounds (as S) . . . . . .max. 0,005 %
substances darkened by H_2SO_4 . . . . . .passes test
residue on evaporation . . . . . .max. 0,0005 %
water (K.F.). . . . . .max. 0,01 %

ART. NO.	VOLUME	CONTAINER
ET01011000	1 l	
ET01012500	2,5 l	

o-PHENANTHROLINE MONOHYDRATE

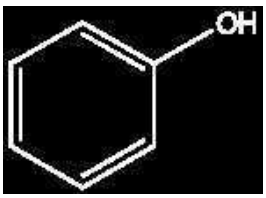
FE0100 o-Phenanthroline monohydrate, redox indicator, ExpertQ®, for analysis, ACS

- Synonyms: 1,10-Phenanthroline monohydrate
- $C_{12}H_8N_2 \cdot H_2O$
- M = 198,24 g/mol
- CAS [5144-89-8]
- EINECS-No.: 200-629-2
- Solub. in water: (20 °C): ~ 3,3 g/l
- Melting point: 93 - 94 °C
- LD 50 (oral, rat): 132 mg/kg
- EC-Index-No.: 613-092-00-8
- ADR: 6.1 T2 III UN 2811
- IMDG: 6.1 III UN 2811
- IATA/ICAO: 6.1 III UN 2811
- GHS-signal word: Danger
- GHS-H sentences: H301 - H400 - H410
- GHS-P sentences: P273 - P264 - P270 - P321 - P405 - P501a
- Tariff number: 2933 99 90 90
- Applications: analytical chemistry, indicator, for determination of: iron.
- Appearance: Off-white crystals

assay (titration with $HClO_4$, on dried sample) . . . . . min. 99,5 %
identity (IR-spectrum) . . . . . .passes test
insoluble in C_2H_5OH . . . . . .passes test
suitability for determination of Fe. . . . . .passes test
suitability as redox indicator . . . . . .passes test
residue on ignition . . . . . .max. 0,05 %
water (K.F.). . . . . 8,5 - 9,5 %

ART. NO.	VOLUME	CONTAINER
FE01000005	5 g	
FE01000025	25 g	

PHENOL



- Synonyms: Phenic acid, Hydroxybenzene, Carbolic acid
- C_6H_6O
- M = 94,11 g/mol
- CAS [108-95-2]
- EINECS-No.: 203-632-7
- Solub. in water: (20 °C): 84 g/l
- Melting point: 41 °C
- Boiling point: 182 °C
- Flash pt. 81 °C
- Ignition temp.: 595 °C
- Vapour pressure: (20 °C) 0,2 hPa
- LD 50 (oral, rat): 317 mg/kg
- EC-Index-No.: 604-001-00-2
- ADR: 6.1 T1 II UN 2312
- IMDG: 6.1 II UN 2312
- IATA/ICAO: 6.1 II UN 2312
- GHS-signal word: Danger
- GHS-H sentences: H301 - H311 - H331 - H314 - H341 - H373 - H411
- GHS-P sentences: P201 - P260 - P273 - P301 + P310 - P303 + P361 + P353 - P304 + P340 - P305 + P331 - P361 - P405 - P501a
- Tariff number: 2907 11 00 00
- Applications: synthesis of organic products, disinfectant, for pharmaceutical use, manufacture of dyes, preservative agent, analytical chemistry, laboratory reagent.

FE0480 Phenol, crystallized, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (bromometric, referred to dried sample). . . . . 99,0 - 100,5 %
assay (bromometric) . . . . . 99,0 - 100,5 %
identification . . . . . .passes test
appearance of solution . . . . . .passes test
clarity of solution and reaction. . . . . .passes test
freezing point. . . . . min. 39,5 °C
acidity . . . . . .passes test
residue on evaporation . . . . . .max. 0,05 %
water (K.F.). . . . . .max. 0,5 %
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
FE04800500	500 g	
FE04801000	1 kg	
FE0480005P	5 kg	