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# برنامه‌های آزمون کفایت تخصصی (PT) محصولات نفت و پتروشیمی



iis



برنامه‌های آزمون مهارت مواد شیمیایی (Chemicals Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
4 Sep. 2019	Tests from the ASTM D329 profile and other tests.	Acetone	iis19C11
29 Apr. 2020	Tests from the ISO22241-1 profile.	AdBlue (32% Urea solution)	iis20G05
29 Jan. 2020	Tests from the ASTM D2359 profile and other tests.	Benzene	iis20C03
26 Aug. 2020	Alkalinity, Density, Iron, Sodium Chlorate, Sodium Chloride and Sodium Sulfate (a high and low salt sample will be sent).	Caustic Soda	iis20C07
29 Jan. 2020	Acid wash color, Appearance, Color Pt/Co, Density, Distillation, Freezing Point, Purity, Benzene, n-Hexane, Methylcyclohexane, Methylcyclopentane, Refractive Index, Sulfur, UV Absorbance	Cyclohexane	iis20C05
6 Nov. 2019 11 Nov. 2020	Acidity, Appearance, Copper, Density, Electrical Conductivity, Inorganic Chloride, Nonvolatile matter, Nitrogen, pHe, Phosphorus, Sulfate, Sulfur, Water, Purity and Impurities	Ethanol (Bio / Fuel grade)	iis19C16 iis20C11
6 Nov. 2019 11 Nov. 2020	Density, Nonvolatile Matter, Permanganate Time Test, pHe, Strength (%V/V and %M/M), Water, UV absorbance, Purity and Impurities.	Ethanol (Food / Neutral grade)	iis19C17 iis20C12
6 Nov. 2019	Acidity, Inorganic Chloride, Appearance, Color Pt/Co, Density, Distillation, Nonvolatile Matter, Water, Purity and Impurities.	Isopropanol	iis19C18
4 Sep. 2019 26 Aug. 2020	The main sample (iis19C10 or iis20C06) is for tests from the IMPCA profile and other tests. A separate sample is available for UV absorbance (iis19C05UV or iis20C06UV).	Methanol	iis19C10, iis19C10UV iis20C06, iis20C06UV
15 Jan. 2020	Acidity, Appearance, Color Pt/Co, Density, Inhibitor, Water, Purity and Impurities.	Methylmetacrylate (MMA)	iis20C02
2 Oct. 2019 23 Sep. 2020	Test from the ASTM E202 profile and other tests. Acidity, Aldehydes, Inorganic Chloride, Appearance, Ash, Color Pt/Co, Distillation, Density, Purity, DEG, Iron, Water and UV Transmittance.	Mono Ethylene glycol (MEG polyester grade)	iis19C14 iis20C10
2 Oct. 2019	Acidity, Inorganic Chloride, Appearance, Color Pt/Co, Distillation, Density, Purity, DPG, Iron, Specific Gravity and Water.	Mono Propylene glycol (MPG)	iis19C15
18 Sep. 2019 9 Sep. 2020	Tests from the ASTM D2827 profile and other tests.	Styrene	iis19C12 iis20C08
29 Jan. 2020	Tests from the ASTM D841 profile and other tests.	Toluene	iis20C04
15 Jan. 2020	Tests from the ASTM D2190 profile and other tests.	Vinylacetate monomer (VAM)	iis20C01
18 Sep. 2019	Benzene, Toluene, Ethylbenzene, p-/o-/m-Xylene, Cumene and sum C9+Aromatics and nonaromatics.	Xylenes (mixed-)	iis19C13
9 Sep. 2020	Tests from the ASTM D5136 and D5471 profile and other tests.	Xylene (Ortho- / Para-)	iis20C09



برنامه‌های آزمون مهارت سوخت‌ها (Fuels Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
11 Sep. 2019 25 Mar. 2020 30 Sep. 2020	The main sample (iis19G06) is for tests from the EN14214 and ASTM D6751 profiles and other tests. Separate samples are available for Cetane Number (Engine-test) & Derived Cetane Number (iis19G06CN), Metals (iis19G06M) and Total Contamination (iis19G06TC).	Biodiesel B100	iis19G06, iis19G06CN, iis19G06M, iis19G06TC, iis20G03, iis20G03M, iis20G03TC, iis20G03CST iis20G07, iis20G07CN, iis20G07M, iis20G07TC
27 Nov. 2019 27 May. 2020 25 Nov. 2020	The main sample (iis19F03) is for tests from the ISO8217 & ASTM D396 profiles and other tests. Separate samples are available for Metals (iis19F03M), Bromine Number & p-Value (iis19F03Br) and Compatibility in accordance to ASTM D4740 (iis19F03C).	Fuel Oil	iis19F03, iis19F03M, iis19F03Br, iis19F03C, iis20F01, iis20F01M iis20F03, iis20F03M, iis20F03Br, iis20F03C
21 Aug. 2019 2 Sep. 2020	The main sample (iis19G05ASTM) is for tests from the ASTM D975 profile and other tests. Separate samples are available for Cetane Number (Engine-test) & Derived Cetane Number (iis19G05CN), Total Contamination (iis19G05TC) and Oxidation Stability (iis19G05OX).	Gasoil - ASTM (winter)	iis19G05ASTM, iis19G05CN, iis19G05TC, iis19G05OX, iis20G06ASTM, iis20G06CN, iis20G06TC, iis20G06OX
25 Sep. 2019 16 Sep. 2020	The main sample (iis19B05EN) is for tests from the EN228 profile and other tests. Separate samples are available for ASVP / DVPE (iis19B05DVPE) and RON / MON (iis19B05RON) and RON 91 (iis20B06R91).	Gasoline - EN (winter)	iis19B05EN, iis19B05DVPE, iis19B05RON, iis20B06EN, iis20B06DVPE, iis20B06RON, iis20B06R91
14 Aug. 2019 19 Feb. 2020 19 Aug. 2020	The main sample (iis19J02) is for tests from the DEF STAN 91-091 & Joint Fuelling Check List profile and other tests. Separate samples are available for BOCLE (iis19J02BOCLE), Particle Size Distribution (iis19J02PS), FAME (iis19J02FAME) JFTOT (iis19J02JF) and Particulate Contamination (iis19J02CP).	Jet Fuel A1	iis19J02, iis19J02BOCLE, iis19J02PS, iis19J02FAME, iis19J02JF, iis19J02CP, iis20J01, iis20J01PS iis20J02, iis20J02BOCLE, iis20J02PS, iis20J02FAME, iis20J02JF, iis20J02CP
20 Nov. 2019 4 Nov. 2020	Tests from the ISO 8217 profile and other tests.	Vacuum Gasoil (VGO)	iis19G07 iis20G08



برنامه‌های آزمون مهارت سوخت‌ها (Fuels Proficiency Tests)			
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29 Apr. 2020	Tests from the ISO22241-1 profile.	AdBlue (32% Urea solution)	iis20G05
26 Feb. 2020	Tests from the ASTM D910 and Def Stan 91-090 profiles	Aviation Gasoline	iis20B02
20 May. 2020	The main sample (iis20B04) is for tests from the EN228 profile and ASTM D4814 profiles and other tests. Separate samples are available for ASVP / DVPE (iis20B04DVPE) and RON / MON (iis20B04RON).	Biogasoline E10	iis20B04, iis20B04DVPE, iis20B04RON
20 May. 2020	Tests from the ASTM D5798 and EN15293 profile.	Biogasoline E85	iis20B05
29 Apr. 2020	The main sample is for tests from the EN590 and ASTM D7467 profiles and other tests. A separate sample is available for Total Contamination (iis20G04TC).	Diesel B10 (10% FAME)	iis20G04, iis20G04TC
22 Jan. 2020	The main sample (iis20G01EN) is for tests from the EN590 profile and other tests. Separate samples are available for Cetane Number (Engine-test) & Derived Cetane Number (iis20G01CN), Total Contamination (iis20G01TC) and Oxidation Stability (iis20G01OX).	Gasoil - EN (summer)	iis20G01EN, iis20G01CN, iis20G01TC, iis20G01OX
18 Mar. 2020	The main sample (iis20G02) is for tests from the EN590 profile and other tests. Separate samples are available for Cetane Number (Engine-test) & Derived Cetane Number (iis20G02CN), Total Contamination (iis20G02TC).	Gasoil (premium)	iis20G02, iis20G02CN, iis20G02TC
5 Feb. 2020	The main sample (iis20B01ASTM) is for tests from the ASTM D4814 profile and other tests. Separate samples are available for TVP / DVPE (iis20B01DVPE) and RON / MON (iis20B01RON).	Gasoline - ASTM (summer)	iis20B01ASTM, iis20B01DVPE, iis20B01RON
8 Apr. 2020	The main sample (iis20B03) is for tests from the ASTM D4814 and EN228 profiles and other tests. Separate samples are available for TVP / DVPE (iis20B03DVPE) and RON / MON (iis20B03RON).	Gasoline (premium)	iis20B03, iis20B03DVPE, iis20B03RON



برنامه‌های آزمون مهارت روان‌کننده‌ها و روغن‌ها (Lubricants and Oils Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
22 Apr. 2020	Acid Number, Air release time, Color, Conradson CR, Ramsbottom CR, Density, Evaporation loss by Noack, Flash Point, Kinematic Viscosity (40&100°C), Viscosity Stabinger (40&100°C), Viscosity Index, Pour Point, Rust prevention, Sulfur, Water and Water Separability.	Base Oil	iis20L03
13 May. 2020	Acid Number, Base Number, Color, Conradson CR, Ramsbottom CR, Density, Evaporation loss by Noack, Flash Point, Foaming Characteristics, Kinematic Viscosity (40&100°C), Viscosity Stabinger (40&100°C), Viscosity Index, Viscosity Apparent (CSS), Viscosity HTHS, Nitrogen, Pour Point, Sulfated Ash, Sulfur, Water and Metals (Ca,P&Zn).	Engine Oil (fresh)	iis20L06
13 May. 2020	Acid Number, Base Number, Density, Flash Point, Fuel Dilution, Kinematic Viscosity (40&100°C), Viscosity Index, Kinematic Viscosity Houillon and Water. A separate sample is available for Metals (over 20 elements) (iis20L07M).	Engine Oil (used)	iis20L07, iis20L07M
26 Feb. 2020	Acid Number, Copper Corrosion, Density, Flash Point, Foaming Characteristics, Kinematic Viscosity (40&100°C), Viscosity Index, Pour Point, Rust prevention, Sulfur, Water, Water Separability, Level of Contamination and Metals (Ca,P&Zn).	Gear Oil (fresh)	iis20L01
26 Feb. 2020	Acid Number, Density, Flash Point, Kinematic Viscosity (40&100°C), Viscosity Index, Membrane Filtration, Water, Level of Contamination and Metals (over 20 elements).	Gear Oil (used)	iis20L02
28 Aug. 2019	The sample is for tests from the specification ASTM D4950 profile and other tests: Cone Penetration, Copper Corrosion, Dropping Point, Extreme-Pressure Properties (four-ball method), Roll Stability Penetration Change and Metals (over 13 elements).	Grease	iis19L08
16 Oct. 2019 7 Oct. 2020	Acid Number, Copper Corrosion, Density, Flash Point, Foaming Characteristics, Kinematic Viscosity (40&100°C), Viscosity Stabinger (40&100°C), Viscosity Index, Pour Point, Sulfur, Water, Water Separability and Metals (Ca,P&Zn).	Hydraulic Oil (fresh)	iis19L09 iis20L08
16 Oct. 2019 7 Oct. 2020	Acid Number, Density, Flash Point, Kinematic Viscosity (40&100°C), Viscosity Stabinger (40&100°C), Sulfur, Water and Level of Contamination.  A separate sample is available for 20 metals (iis19L10M or iis20L09M).	Hydraulic Oil (used)	iis19L10, iis19L10M iis20L09, iis20L09M
23 Oct. 2019 28 Oct. 2020	Individual congeners Polychlorinated Biphenyls, Aroclors and Total Chloride.	Mineral Oil PCBs	iis19L13 iis20L12
23 Oct. 2019 28 Oct. 2020	Tests from the IEC60296 and ASTM D3487 profiles and other tests: Neutralization Number, Breakdown Voltage, Color, Density, Dielectric Dissipation factor, Specific Resistance, Flash Point, Interfacial Surface Tension, Kinematic Viscosity, Water and Additives.	Transformer Oil (fresh)	iis19L11 iis20L10
23 Oct. 2019 28 Oct. 2020	Tests from the IEC60296 and ASTM D3487 profiles and other tests: Neutralization Number, Breakdown Voltage, Density, Di-electric Dissipation factor, Specific Resistance, Flash Point, Interfacial Surface Tension, Kinematic Viscosity (40°C) and Water. A separate sample is available for Furanic components (iis19L12F or iis20L11F)	Transformer Oil (used)	iis19L12, iis19L12F iis20L11, iis20L11F

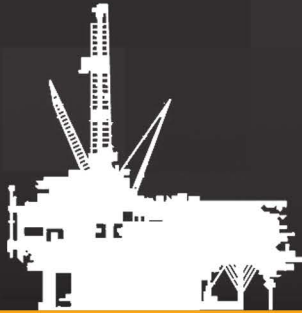


برنامه‌های آزمون مهارت روان‌کننده‌ها و روغن‌ها (Lubricants and Oils Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
23 Oct. 2019 28 Oct. 2020	Dissolved gas analyses. In 2019 a 50 mL or 100 mL Syringe may be ordered. From 2020 only 50 mL syringes are available.	Transformer Oil DGA	iis19L14 iis20L13
22 Apr. 2020	Acid Number, Air Release Time, Density, Flash Point, Foaming Characteristics, Kinematic Viscosity (40&100°C), Viscosity Index, Pour Point, Sulfur, Water, Water Separability and Metals (Ca,P&Zn).	Turbine Oil (fresh)	iis20L04
22 Apr. 2020	Acid Number, Color, Density, Flash Point, Insoluble Color Bodies, Kinematic Viscosity (40&100°C), Viscosity Index, Oxidation Stability, Water, Water Separability and Level of Contamination.	Turbine Oil (used)	iis20L05





برنامه‌های آزمون مهارت قیر، محصولات نفتی و گازها (Bitumen, Petroleum Products and Gases Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
20 Nov. 2019 4 Nov. 2020	Tests from the Paving Grade EN12591 profile and other tests.	Bitumen	iis19F02 iis20F02
30 Oct. 2019 14 Oct. 2020	Acid Number, API gravity, BSW, Density, Kinematic Viscosity, Light Ends, Molecular Mass, Pour Point, Salt as NaCl, Sediment (D473 & D4807), Sulfur, Water and Simulated Distillation. And an additional sample for Mercury.	Crude Oil	iis19R01 iis20R01
30 Oct. 2019	Composition D2892 and D5236, Density, Nitrogen and Sulfur on all fractions. On light and heavy Naphtha fraction: PIONA/PONA and Simulated Distillation.	Crude Oil Assay	iis19R02
30 Oct. 2019 14 Oct. 2020	Color Saybolt, Density, Distillation, Mercury, Methanol, Sulfur, Water and Simulated Distillation.	Gascondensate	iis19R03 iis20R02
11 Mar. 2020	The first main sample (iis20N01) is for tests like Color Saybolt, Copper Corrosion, Density, Distillation, Mercaptan Sulfur, Organic Chloride and Sulfur. The second sample (iis20N01) is for individual Oxygenates, PIONA and DHA. Separate samples are available for Mercury (iis20N01Hg), Arsenic / Lead (iis20N01AsPb) and DVPE (iis20N01DVPE).	Naphtha	iis20N01, iis20N01Hg, iis20N01AsPb, iis20N01DVPE
1 Apr. 2020	Methane, Ethane, Propane, iso-Butane, n-Butane, Carbon dioxide, Nitrogen, Carbon content and Physical properties.	Natural Gas (Methane)	iis20S01M
27 May. 2020	Propane, Propene, iso-Butane, n-Butane, 1-Butene, iso-Butene, trans/cis-2-Butene, 1,3-Butadiene, n-Pentane, iso-Pentane and Physical properties.	Liquefied Butane	iis20S02B
2 Oct. 2019 23 Sep. 2020	Ethane, Propane, Propene, iso-Butane, n-Butane, 1-Butene, iso-Butene, n-Pentane and Physical properties.	Liquefied Propane	iis19S03P iis20S03P
2 Oct. 2019 23 Sep. 2020	Total Sulfur in Liquefied Propane (LPG)	Sulfur (total) in LPG	iis19S03S iis20S03S



## Proficiency Testing Programs for Oil, Petroleum & Petrochemical Products

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تهران - خیابان قائم مقام فراهانی - خیابان  
ششم - پلاک ۲۰ - طبقه سوم - واحد ۹

تلفن : ۸۸۵۴۶۴۲۶-۷

فاکس : ۸۸۵۴۶۴۴۳

کدپستی : ۱۵۸۶۸۴۴۱۳۷

Email : [info@qualitypioneers.ir](mailto:info@qualitypioneers.ir)

Website : [www.qualitypioneers.ir](http://www.qualitypioneers.ir)