



برنامه‌های آزمون کفایت تخصصی (PT) محصولات نفت و پتروشیمی





برنامه‌های آزمون مهارت مواد شیمیایی (Chemicals Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
11 November 2020 10 November 2021	Acidity, Appearance, Copper, Density, Electrical Conductivity, Inorganic Chloride, Nonvolatile matter, Nitrogen, pH, Phosphorus, Sulfate, Sulfur, Water, Purity and Impurities .	Ethanol (Bio / Fuel grade)	iis20C11 iis21C16
11 November 2020 10 November 2021	Density, Nonvolatile Matter, Permanganate Time Test, pH, Strength (%V/V and %M/M), Water, UV absorbance, Purity and Impurities.	Ethanol (Food / Neutral grade)	iis20C12 iis21C17
25 August 2021	Tests from the ASTM D329 profile and other tests.	Acetone	iis21C11
13 January 2021	Acetaldehyde, Appearance, Anorganic Chloride, Color Pt/Co, Density, Formic Acid, Freezing Point, Iron as Fe, Nonvolatile matter, Purity, Sulfate and Water.	Acetic Acid	iis21C02
28 April 2021	Tests from the ISO22241-1 profile and other tests.	AdBlue (32% Urea solution)	iis21G05
27 January 2021	Tests from the ASTM D2359 profile and other tests.	Benzene	iis21C04
24 February 2021	Acidity, Appearance, Color Pt/Co, Density, Specific Gravity, Distillation, Nonvolatile matter, Purity, n-Butanol and Water.	Butylacetate	iis21C07
24 February 2021	Acidity, Appearance, Color Pt/Co, Density, Inhibitor, Purity and impurities and Water.	n-Butylacrylate	iis21C09
27 January 2021	Acid Wash Color, Appearance, Color Pt/Co, Density, Distillation, Freezing Point, Purity, Benzene, n-Hexane, Methylcyclohexane, Methylcyclopentane, Refractive Index and Sulfur.	Cyclohexane	iis21C06
24 February 2021	Acidity, Appearance, Color Pt/Co, Density, Specific Gravity, Distillation, Nonvolatile matter, Purity, Ethanol and Water.	Ethylacetate	iis21C08
10 November 2021	Acidity, Appearance, Inorganic Chloride, Color Pt/Co, Density, Distillation, Nonvolatile matter, Purity and impurities and Water.	Isopropanol (IPA)	iis21C18
25 August 2021	The regular sample (iis21C10) is for tests from the IMPCA profile and other tests. A separate sample can be ordered for UV Absorbance (iis21C10UV).	Methanol	iis21C10 iis21C10UV
13 January 2021	Appearance, Carbonyls, Density, Refractive Index, Water, Purity and impurities.	Methyl-tert-Butylether (MTBE)	iis21C03
22 September 2021	Acidity, Aldehydes, Appearance, Ash content, Inorganic Chloride, Color Pt/Co, Density, Diethylene Glycol, Distillation, Miscibility with water, Purity, Specific Gravity, Water, UV Transmittance and Iron.	Mono Ethylene glycol (MEG polyester grade)	iis21C14



برنامه‌های آزمون مهارت سوخت‌ها (Fuels Proficiency Tests)			
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4 November 2020 3 November 2021	Tests from the ISO 8217 profile and other tests.	Vacuum Gasoil (VGO)	iis20G08 iis21G08
25 November 2020	The regular sample (iis20F01 or iis20F03) is for tests from the ISO8217 and ASTM D396 profiles and other tests. Separate samples are available for Metals (iis20F01M or iis20F03M), Bromine Number and p-Value (iis20F03Br) and Compatibility in accordance to ASTM D4740 (iis20F03C).	Fuel Oil	iis20F03 iis20F03M iis20F03Br iis20F03C
28 April 2021	Tests from the ISO22241-1 profile and other tests.	AdBlue (32% Urea solution)	iis21G05
31 March 2021	The regular sample (iis21G03) is for tests from the EN14214 and ASTM D6751 profiles and other tests. Separate samples can be ordered for: - Metals (iis21G03M), - Total Contamination (iis21G03TC) and - Cold Soak Test / Filter Blocking Tendency (iis21G03CST).	Biodiesel B100	iis21G03 iis21G03M iis21G03TC iis21G03CST
29 September 2021	The regular sample (iis21G07) is for tests from the EN14214 and ASTM D6751 profiles and other tests. Separate samples can be ordered for: - Cetane Number (Engine-test) and Derived Cetane Number (iis21G07CN), - Metals (iis21G07M) and - Total Contamination (iis21G07TC).	Biodiesel B100	iis21G07 iis21G07CN iis21G07M iis21G07TC
28 April 2021	The regular sample (iis21G04) is for tests from the EN590 and ASTM D7467 profiles and other tests. Separate sample can be ordered for Total Contamination (iis21G04TC).	Diesel B10 (10% FAME)	iis21G04 iis21G04TC
1 September 2021	The regular sample (iis21G06ASTM) is for tests from the ASTM D975 profile and other tests. Separate samples can be ordered for: - Cetane Number (Engine-test) and Derived Cetane Number (iis21G06CN), - Total Contamination (iis21G06TC) and - Oxidation Stability (iis21G06OX).	Gasoil - ASTM (winter)	iis21G06ASTM iis21G06CN iis21G06TC iis21G06OX
20 January 2021	The regular sample (iis21G01EN) is for tests from the EN590 profile and other tests. Separate samples can be ordered for: - Cetane Number (Engine-test) and Derived Cetane Number (iis21G01CN), - Total Contamination (iis21G01TC) and - Oxidation Stability (iis21G01OX).	Gasoil - EN (summer)	iis21G01EN iis21G01CN iis21G01TC iis21G01OX
17 March 2021	The regular sample (iis21G02) is for tests from the EN590 profile and other tests. Separate samples can be ordered for: - Cetane Number (Engine-test) and Derived Cetane Number (iis21G02CN) and - Total Contamination (iis21G02TC).	Gasoil (premium)	iis21G02 iis21G02CN iis21G02TC



برنامه‌های آزمون مهارت سوخت‌ها (Fuels Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
19 May 2021	The regular sample (iis21B03) is for tests from the EN228 profile and ASTM D4814 profile and other tests. Separate samples can be ordered for: - TVP / DVPE (iis21B03DVPE) and - RON / MON (iis21B03RON).	Biogasoline E10	iis21B03 iis21B03DVPE iis21B03RON
19 May 2021	Tests from the ASTM D5798 and EN15293 profile and other tests.	Biogasoline E85	iis21B04
3 February 2021	The regular sample (iis21B01ASTM) is for tests from the ASTM D4814 profile and other tests. Separate samples can be ordered for: - TVP / DVPE (iis21B01DVPE) and - RON / MON (iis21B01RON).	Gasoline - ASTM (summer)	iis21B01ASTM iis21B01DVPE iis21B01RON
15 September 2021	The regular sample (iis21B05EN) is for tests from the EN228 profile and other tests. Separate samples can be ordered for: - ASVP / DVPE (iis21B05DVPE) and - RON / MON (iis21B05RON).	Gasoline - EN (winter)	iis21B05EN iis21B05DVPE iis21B05RON
7 April 2021	The regular sample (iis21B02) is for tests from the EN228 profile and ASTM D4814 profile and other tests. Separate samples can be ordered for: - ASVP / DVPE (iis21B02DVPE) and - RON / MON (iis21B02RON).	Gasoline (premium)	iis21B02 iis21B02DVPE iis21B02RON
17 February 2021	The regular sample (iis21J01) is for tests from the DEF STAN 91-091 and Joint Fuelling Check List profile and other tests. Separate sample can be ordered for Particle Size Distribution (iis21J01PS).	Jet Fuel A1	iis21J01 iis21J01PS
11 August 2021	The regular sample (iis21J02) is for tests from the DEF STAN 91-091 and Joint Fuelling Check List profile and other tests. Separate samples can be ordered for: - BOCLE (iis21J02BOCLE), - Particle Size Distribution (iis21J02PS), - FAME (iis21J02FAME), - JFTOT (iis21J02JF) and - Particulate Contamination (iis21J02CP).	Jet Fuel A1	iis21J02 iis21J02BOCLE iis21J02PS iis21J02FAME iis21J02JF iis21J02CP
26 May 2021	The regular sample (iis21F01) is for tests from the ISO8217 and ASTM D396 profiles and other tests. Separate sample can be ordered for Metals (iis21F01M).	Fuel Oil	iis21F01 iis21F01M
24 November 2021	The regular sample (iis21F03) is for tests from the ISO8217 and ASTM D396 profiles and other tests. Separate samples can be ordered for: - Metals (iis21F03M), - Bromine Number and p-Value (iis21F03Br) and - Compatibility in accordance to ASTM D4740 (iis21F03C).	Fuel Oil	iis21F03 iis21F03M iis21F03Br iis21F03C



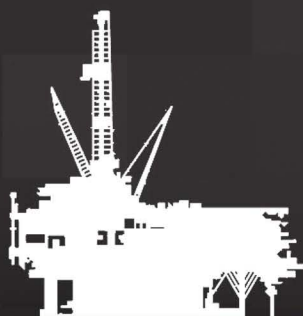
برنامه‌های آزمون مهارت روان‌کننده‌ها و روغن‌ها (Lubricants and Oils Proficiency Tests)			
کد برنامه	نام برنامه	آزمون‌های مورد نظر	تاریخ ارسال نمونه
iis21L03	Base Oil	Total Acid Number, Air Release time, Color ASTM, Conradson and Ramsbottom Carbon Residue, Density, Evaporation loss by Noack, Flash Point C.O.C., Kinematic Viscosity (40 and 100°C), Viscosity Index, Viscosity Stabinger (40 and 100°C), Pour Point, Rust Prevention, Sulfur, Water and Water Separability.	21 April 2021
iis21L07	Engine Oil (fresh)	Total Acid Number, Base Number, Color ASTM, Conradson and Ramsbottom Carbon Residue, Density, Evaporation loss by Noack, Flash Point C.O.C., Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Viscosity Stabinger (40 and 100°C), Viscosity Apparent (CSS), Viscosity HTHS, Nitrogen, Pour Point, Sulfated Ash, Sulfur, Water and some elements (Ca, P and Zn).	12 May 2021
iis21L08 iis21L08M	Engine Oil (used)	The regular sample is available for: Total Acid Number, Base Number, Density, Flash Point PMcc, Fuel Dilution, Kinematic Viscosity (40 and 100°C), Viscosity Index, Kinematic Viscosity Houillon and Water. A separate sample is available for over 20 elements (iis21L08M).	12 May 2021
iis21L01	Gear Oil (fresh)	Total Acid Number, Copper Corrosion, Density, Flash Point (C.O.C. and PMcc), Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Pour Point, Rust Prevention, Sulfur, Water, Water Separability, Level of Contamination and some elements (Ca, P and Zn).	24 February 2021
iis21L02	Gear Oil (used)	Total Acid Number, Density, Flash Point PMcc, Kinematic Viscosity (40 and 100°C), Viscosity Index, Membrane Filtration, Water, Level of Contamination and over 20 elements.	24 February 2021
iis21L06	Grease	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 over 10 elements.	21 April 2021
iis21L09	Hydraulic Oil (fresh)	Total Acid Number, Copper Corrosion, Density, Flash Point PMcc, Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Viscosity Stabinger (40 and 100°C), Pour Point, Sulfur, Water, Water Separability and some elements (Ca, P and Zn).	6 October 2021
iis21L10 iis21L10M	Hydraulic Oil (used)	The regular sample is available for: Total Acid Number, Density, Flash Point PMcc, Kinematic Viscosity (40 and 100°C), Viscosity Stabinger (40 and 100°C), Sulfur, Water and Level of Contamination. A separate sample is available for over 20 elements (iis21L10M).	6 October 2021
iis21L13	Mineral Oil PCBs	Individual congeners Polychlorinated Biphenyls, Aroclors and Total Chloride.	27 October 2021
iis21L11	Transformer Oil (fresh)	Tests from the IEC60296 and ASTM D3487 profiles and other tests: Total Acidity, Appearance, Breakdown Voltage, Color ASTM, Density, Di-electric Dissipation Factor, Specific Resistance, Flash Point (C.O.C. and PMcc), Interfacial Surface Tension, Kinematic Viscosity at 40°C, Water and some additives.	27 October 2021



برنامه‌های آزمون مهارت روان‌کننده‌ها و روغن‌ها (Lubricants and Oils Proficiency Tests)			
تاریخ ارسال نمونه	آزمون‌های مورد نظر	نام برنامه	کد برنامه
27 October 2021	The regular sample is available for: tests from the IEC60296 and ASTM D3487 profiles and other tests: Total Acidity, Breakdown Voltage, Density, Di-electric Dissipation factor, Specific Resistance, Flash Point (C.O.C. and PMcc), Interfacial Surface Tension, Kinematic Viscosity at 40°C and Water. A separate sample is available for Furanic components (iis21L12F).	Transformer Oil (used)	iis21L12 iis21L12F
27 October 2021	Dissolved gas analyses. Syringe of 50mL only.	Transformer Oil DGA	iis21L14
21 April 2021	Total Acid Number, Air Release time, Density, Flash Point C.O.C., Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Pour Point, Sulfur, Water, Water Separability and some elements (Ca, P and Zn).	Turbine Oil (fresh)	iis21L04
21 April 2021	Total Acid Number, Color ASTM, Density, Flash Point C.O.C., Insoluble Color Bodies, Kinematic Viscosity (40 and 100°C), Viscosity Index, Oxidation Stability, Water, Water Separability and Level of Contamination.	Turbine Oil (used)	iis21L05



برنامه‌های آزمون مهارت قیر، محصولات نفتی و گازها (Bitumen, Petroleum Products and Gases Proficiency Tests)			
کد برنامه	نام برنامه	آزمون‌های مورد نظر	تاریخ ارسال نمونه
iis20F02 iis21F02	Bitumen	Tests from the Paving Grade EN12591 profile and other tests.	4 November 2020 3 November 2021
iis21S01M	Natural Gas (Methane)	Methane, Ethane, Propane, iso-Butane, n-Butane, Carbon Dioxide, Nitrogen, Carbon content and Physical properties.	24 March 2021
iis21S02B	Liquefied Butane	Propane, Propene, iso-Butane, n-Butane, 1-Butene, iso-Butene, trans/cis-2-Butene, 1,3-Butadiene, n-Pentane, iso-Pentane and Physical properties.	26 May 2021
iis21S03P	Liquefied Propane	Ethane, Propane, Propene, iso-Butane, n-Butane, 1-Butene, iso-Butene, n-Pentane, iso-Pentane and Physical properties.	22 September 2021
iis21S03S	Sulfur (total) in LPG	Total Sulfur in Liquefied Propane (LPG).	22 September 2021
iis21R01	Crude Oil	Total Acid Number, API gravity, BS&W, Density, Kinematic Viscosity at 40°C, Light Ends, Molecular Mass, Pour Point, Salt as Chloride, Sediment (Extraction method and Membrane filtration), Total Sulfur, Water, Simulated Distillation and Mercury.	13 October 2021
iis21R02	Crude Oil Assay	Composition D2892 and D5236, Density, Sulfur, Nitrogen on all fractions and Water on original material only. On light and heavy Naphtha fraction: PIONA/PONA and Simulated Distillation.	13 October 2021
iis21R03	Gascondensate	Color Saybolt, Density, Distillation, Methanol, Total Mercury, Total Sulfur, Water and Simulated Distillation.	13 October 2021
iis21N01 iis21N01PIONA iis21N01Hg iis21N01AsPb iis21N01DVPE	Naphtha	The regular sample (iis21N01) is available for: Organic Chlorides, Color Saybolt, Copper Corrosion, Density, Distillation, Mercaptan Sulfur and Sulfur. Separate samples can be ordered for: - Oxygenates, PIONA, PNA, DHA (iis21N01PIONA) - Mercury (iis21N01Hg) - Arsenic and Lead (iis21N01AsPb) - DVPE (iis21N01DVPE).	10 March 2021



Proficiency Testing Programs for Oil, Petroleum & Petrochemical Products

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