وزارة التخطيط الهيأة العراقية للاعتماد IQAS

شهادة اعتماد رقم TL 221



يقر نظام الاعتماد العراقي بأن:
مختبرات شركة مناهل الخليج للتجارة والمقاولات العامة والنقل العام
والخدمات النفطية والفحص والتقييس والسيطرة النوعية والتعبئة والتغليف
العراق – ديالي- منفذ المنذرية الحدودي
تم اعتمادها وفقا لمتطلبات المواصفة ISO/IEC 17025:2017
(المتطلبات العامة لاهلية مختبرات الفحص والمعايرة)

في مجال:

اختبارات المواد المعدنية

اختبارات المواد

اختبارات المواد

اختيارات المواد

الكيميائية

الانشانية

الغذائية

اختبارات المواد الزراعية اختبارات المواد الخشبية

اختبارات المواد

الغزل والنسيج

اختبارات الإجهزة والمعدات الكهريانية والالكترونية

اختبارات المواد البترولية والبتروكيمياوية

شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد مجال الاعتماد المرفق بالشهادة يعتبر جزءا لايتجزء منها يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني https://iqas.mop.gov.iq

يكون الاعتماد ثافذا من 2025/5/27 الى 2027/5/26 تاريخ منح الاعتماد لاول مرة 2025/5/27

لثقلتا

أ.د. محمد علي تميم نانب رئيس مجلس الوزراء وزير التخطيط

المهندس عبد الواحد محمد ابراهيم مدير عام الهيأة/ وكالة

Ministry of planning Iraqi Organization for Accreditation IOAS

ACCREDITATION CERTIFICATE

No. TL 221



Iraqi Accreditation System Certify that: Laboratories of Manahil Al Khaleej Company for General Trading, Contracting, Public Transport, Oil Services, Inspection, Quality Standardization and Packaging Iraq - Diyala - Al-Munzeriya Border Port

Is accredited according to the requirements of the standard ISO/IEC 17025:2017 (General Requirements for the Competence of Testing and Calibration Laboratories)

In the field of:

- Food Materials -Construction **Materials Testing** -Textile Materials

-Chemical -Metallurgical **Materials Testing Materials Testing** -Polymer Materials -Agricultural -Wood Materials

Testing Testing

Testing

Materials Testing Testing

-Petroleum & Petrochemical Materials Testing

-Electrical & Electronic Devices Testing

This accreditation is subject to with the above standard & IQAS requirements The scope of accreditation is attached to the certificate & considered as part of it

The most recent issue of the accreditation scope is available on IQAS website https://iqas.mop.gov.iq

> Accreditation is valid From 27/5/2025 To 26/5/2027 Initial accreditation date 27/5/2025

Eng. Abdul Wahid M. Ibrahim **Director General of IOAS**

Dr. Mohammed Ali Tamim **Deputy Prime Minister** Minister of Planning



Testing fields	Type of test	Test object or product	Reference to standardize
			method
Biological	Detection of Salmonella spp.	Poultry and red meat &	ISO 6579.1/2017
		their products	(AMD2020)
			AOAC LNO.07 1204
Biological	Detection & Enumeration of E. coli.	Food fruit	ISO 16649 (AMD.2019)
Biological	Detection and enumeration of Pseudomonas aeruginosa	Drinking Water/ Water quality	ISO 16266
Biological	Determination of Mycotoxins (Ochratoxin, Aflatoxin and T2 toxin)	Food product	AOAC 990.34
Chemical	pH determination in fruit and vegetables	Fruit and vegetables	ISO 1842
Chemical	Detection and identification of pesticide	Food and fruits	AOAC 2007.01
Chemical	Determination of moisture	Food and grain	AOAC 973.41
Chemical	Determination of brix	Food and beverages	AOAC 932.12
Chemical	-Determination of aflatoxin M1 by HPLC method and Immunoaffinity column clean up	Milk and milk products	ISO 14501
Chemical	Determination of aflatoxin B1, and the total content of aflatoxins	Foodstuffs, cereals, nuts and derived products	ISO 16050
Chemical	Determination of deoxynivalenol in — HPLC method with immunoaffinity column cleanup and UV detection	Foodstuffs cereals, cereal products and cereal based foods for infants and young children	BS EN 15891
Chemical	Determination of ochratoxin A in barely and roasted coffee HPLC method with	Coffee	EN 14132

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Organization address:	Organization name:	Accreditation no.:
Iraq – Diyala - Al-Munzeriya	Laboratories of Manahil Al Khaleej	TL 221
Border Port	Company for General Trading,	
	Contracting, Public Transport, Oil	
	Services, Inspection, Quality	
	Standardization and Packaging	
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	immunoaffinity column		
Chemical	Multimethod for the determination of pesticide residues using GC and LC-based analysis following acetonitrile	Foods of plant origin	EN 15662
Chemical	NaCl (Table salt) content	Food products	AOAC Official Method 2015.01
Chemical	Fat content	Food products	AOAC Official Method 937.09 Salt (Chlorine as Sodium Chloride)
Chemical	Acidity (as lactic acid)	Food products	AOAC Of Method 989.05
Chemical	Moisture	Food products	AOAC Official Method 942.15 Acidity (Titratable)
Chemical	Dry matter	Food products	AOAC 930.15
Chemical	Starch	Food products	AOAC Official Method 996.11 Starch
Chemical	Gluten	Food products	AOAC 2018.15-2018 Gluten from Wheat
Chemical	Protein content	Food products	AOAC Official Method 2001.11 Protein
Chemical	рН	Water	ISO 10523
Chemical	EC	Water	ISO 7888
Chemical	TDS	Water	ISO 23446
Chemical	Detection of heavy metals	Water	ISO 11885:2007

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Organization address:	Organization name:	Accreditation no.:
Iraq – Diyala - Al-Munzeriya	Laboratories of Manahil Al Khaleej	TL 221
Border Port	Company for General Trading,	
	Contracting, Public Transport, Oil	
	Services, Inspection, Quality	**:
	Standardization and Packaging	
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Chemical	Iodine content	Table salt	IQS 111
Chemical	Acesulfame	Soft drink	IQS 1266
Chemical	benzoic acid	Soft drink	ISO 9231
Chemical	Sorbic acid	Soft drink	ISO 9231
Chemical	Aspartame	Soft drink	ISO 9231
Chemical	Caffeine	Soft drink	ISO 9231
Chemical	saccharine	Soft drink	ISO 9231
Chemical	рН	Powder detergent	IQS 1276
Mechanical & Physical	Tensile test and bending	Glass fiber concrete rein or cement bars	GSO 2488/2015
Mechanical & Physical	Compressive strength test	Facing brink solid masonry units made from clay or shale	ASTM C216
Mechanical & Physical	Dimensions and tolerances Flexion resistance	Gypsum board	IQS 1676
Mechanical & Physical	The examination is conducted according to the reference guide No.1042 for physical examination of building plaster	Gypsum for construction	IQS 28
Mechanical & Physical	- Dimensions - Disparity	Silica refractories for use in class melting	IQS 1749
Mechanical & Physical	- Dimensions - Straightness - Perpendicularity - Congruence of panels	Specification for fiber building boards	Standard specification 717

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Iraq – Diyala - Al-Munzeriya	Laboratories of Manahil Al Khaleej	TL 221
Border Port	Company for General Trading,	
	Contracting, Public Transport, Oil	
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Mechanical	Determination of density	Fiber building boards	IQS 1749
& Physical		definition classification	
Mechanical	Dimension variation distortion	Silica refractories for use	IQS 1749
& Physical	and cracks	in glass melting furnaces	
Mechanical	- Mass loss	Fiber building boards	IQS 717
& Physical	- Determination of moisture		
	content		
	- Straightness		
	- Dimensions		
	- Perpendicularity		
Mechanical	Chips and cracks	Silica refractories for use	IQS 1749
& Physical	-	in glass melting furnaces	
Mechanical	Aggregate particles in microns	Determination of particle	IQS 30
& Physical		size and shape of	
·		aggregates	
Mechanical	Flexor and compression	Portend cement and	IQS 5
& Physical	-	Clinker.	
Mechanical	- Dimensions	terrazzo tiles	IQS 5038
& Physical	- Fracture	with one layer for	
	- Tolerance	internal USE	
	- Water absorption		
Mechanical	- Dimensions	sold concrete interlocking	IQS 1606
& Physical	- Absorption	paving units	
	- Compression		
	- Wild		
Mechanical	- Appearance dimensions	Filter sands and	IQS:2000/1555
& Physical	grain density	filter gravels for water	
-	-	purification filters	
Mechanical	- Determination of dissolved	Alkali potential reactivity	IQS 42
& Physical	silica by mass method	of coarse and fine	
•		aggregates used in	
		concrete cardinal method	

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Iraq – Diyala - Al-Munzeriya	Laboratories of Manahil Al Khaleej	TL 221	
Border Port	Company for General Trading,		
	Contracting, Public Transport, Oil		
	Services, Inspection, Quality	**	
	Standardization and Packaging		
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Director General of IOAS			

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Mechanical	Fine or course aggregate	Aggregate for concrete	IQS:45
& Physical		and building	
Mechanical	Determine the increase and	Materials for soil	IQS:1693
& Physical	decorate in abrasion or impact	· ·	
	wear fine or coarse		
	aggregate	ā	
Mechanical	Effect of humidity	standard solid panels	IQS 548
& Physical	change after water immersion	25	
•	bending resistance		
	modvivs of elasticity		
e	internal cross linking		
Mechanical	Water absorption	sand-lime	IQS 548
& Physical	drovght shrinkage	blocks and bricks	
<i>,</i>	maximum drying shrinkage		
	pressure tolerance		
Mechanical	- Soft point	asphalt used in roofing	IQS 1196
& Physical	- Flash point		1000
	- Permeability		
	- Viscosity temperature		
Mechanical	- Residual after evaporation	emulsified	IQS 1173
& Physical	- Non-volatile materials	asphalt used as protective	
00 1 11 12 12 12 12 12 12 12 12 12 12 12 1	- Water ratio	coating for roofing	
	- Drought		
	- Heat		
	- Plasticity		
	- Water resistance		
	- Direct flame check		
Mechanical	- Nominal size	building valves	IQS 5008/2017
& Physical	- flow rate		
	- final connections		
Mechanical	- Permeability	joint and crack	IQS 1110/2016
& Physical	- softening point	sealants ,hot applied for	
		concrete and asphalt	I .

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Iraq – Diyala - Al-Munzeriya	Laboratories of Manahil Al Khaleej	TL 221	
Border Port	Company for General Trading,		
	Contracting, Public Transport, Oil		
is .	Services, Inspection, Quality	**	
	Standardization and Packaging		
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Eng. Abdul Wahid M. Ibrahim	From 27/5/2025 To 26/5/2027	001	
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	- correlation - asphalt compatibility	pavements	
Mechanical & Physical	 Dimensions absorption tolerance compressive strength 	clay building bricks	IQS 24 IQS 25
Mechanical & Physical	- Penetration - Liquidity - correlation	concrete joint sealer, cold application type	IQS 1288/1988
Mechanical & Physical	 Viscosity distillation permeability penetration liquidity correlation 	asphalt primer	IQS 1195/2015
Chemical	L.O.I	Cement and Gypsum	IQS 472+A5 IQS 273
Physical	Setting time by Vicat	Cement	IQS 198+A3
Mechanical	Flexural strength	Cement and Gypsum	IQS 198+A3, IQS 273
Mechanical	Compressive strength	Cement, Gypsum,	IQS 198+A3 IQS1042
Physical	Dimensions	Stones and Cellular Concrete Blocks[thermstone],Clay building brick, Clay facing brick	IQS 65/3 IQS 810:09 IQS 24 ASTM C 67
Mechanical	Soundness by Le Chatelier	Cement	IQS 198+A3
Chemical	Free Water	Gypsum	IQS 273
Chemical	Combined Water	Gypsum	IQS 273

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Border Port	Company for General Trading,	
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Physical	Fineness	Gypsum	IQS 28
			IQS 1042
Physical	Setting Time	Gypsum	IQS 28
			IQS 1042
Physical	Module of rupture	Gypsum	IQS 28
		*	IQS 1042
Mechanical	Dimension & Shape	Terrazzo Tiles	IQS 31
Mechanical	Total Water Absorption	Terrazzo Tiles	IQS 31
Mechanical	Water Absorption by tile- face	Terrazzo Tiles	IQS 31
Mechanical	Transverse Strength	Terrazzo Tiles	IQS 31
Mechanical	Water Absorption	Ceramic tiles and	ISO 10545-3:2019,
		Cellular Concrete Blocks	IQS 810:09,
		[thermstone], Clay	IQS 24:1988,
		building brick, Clay	ASTM C 67:2021
		facing brick	
Mechanical	Dimension & surface quality	Ceramic tiles	ISO 10545- 2:2018
Mechanical	Breaking Strength	Ceramic tiles	ISO 10545- 4:2019
Mechanical	Modulus of Rupture	Ceramic tiles and	ISO 10545- 4:2019
	•	Dimension Stones	
Mechanical	Water absorption & bulk density	Dimension Stones	IQS 1387:2017
Mechanical	Standard Test Method for	Portland Cement Clinker	ASTM C1356-07
	Quantitative Determination		
	of Phases in Portland Cement		
	Clinker by Microscopically		
	Point-Count Procedure		
Mechanical	Strength test [with &	Bitumen felt	IQS 4+A1:2013
	across fiber grain]	waterproofing[isogram]	

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Mechanical	Loss on heating	Bitumen felt	IQS 4+A1:2013
		waterproofing[isogram]	
Mechanical	Thermal stability	Bitumen felt	IQS 4+A1:2013
		waterproofing[isogram]	
Mechanical	Dimension Tolerance	Cellular Concrete	IQS 810:09
		Blocks[thermstone]	
Mechanical	Dry bulk Density	Cellular Concrete	IQS 810:09
		Blocks [thermstone]	
Mechanical	Initial Tensile Adhesion	Cementations Adhesives	ISO 13007-2:2013
	Strength Test		EN 12004-2:2017
Mechanical	Tensile Adhesion Strength	Cementations Adhesives	ISO 13007-2:2013
	after water immersion		EN 12004-2:2017
Mechanical	Tensile Adhesion Strength	Cementations Adhesives	ISO 13007-2:2013
	after heat aging		EN 12004-2:2017
Mechanical	Determination of Slip	Cementations Adhesives	ISO 13007-2:2013
			EN 12004-2:2017
Mechanical	Extended open time	Cementations Adhesives	ISO 13007-2:2013
			EN 12004-2:2017
Mechanical	Flexural breaking	Gypsum Board	ASTM C 473:2019
Mechanical	Flexure and compression	PRE-cast concrete kerbs and channels	IQS 5164/2022
& Physical Biological	Detection and identification	Cosmetics	ISO 22717
Diological	Pseudomonas aeruginosa.	Cosmetics	190 22/1/
Biological	Enumeration and detection	Cosmetics	ISO 21149:2017
Diological	of aerobic mesophilic	Cosmetics	150 21147.2017
	bacteria		
Mechanical	Check cheripple	silvered glass	IQS 1137/2020
& Physical	hot water check	mirrors for general	10011011010
or I hybrour	ACC TIMENT VIEWER	purposes	
Mechanical	Dimensions outer diameter	seamless steel tubes for	IQS 1750/2022
& Physical	and thickness	heat exchangers	

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Border Port	Company for General Trading,	
	Contracting, Public Transport, Oil	
	Services, Inspection, Quality	***
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Mechanical	- Abrasion resistance	baths made	IQS 1688/1991
& Physical	- alkali resistance	from porcelain cast iron	
	- acid resistance		
	- hot water resistance		7
Mechanical	Dimensions the parts are non-	low pressure regulator	IQS 1287/1988
& Physical	metallic membrane durability	for vales of LPG	
	aging of the membrane	cylinders	
	material		
Mechanical	Stretch and elongate and	Iron test	ASTM A370
& Physical	bending		ASTM A615M
Mechanical	- Tensile strength	Ribbed carbon-steel bars	ASTM A370
	- Yield strength	for concrete	ASTM 615
	- Elongation	reinforcements	
Mechanical	- Tensile Strength	Ribbed Carbon-Steel	ISO 6892-1/2019
	- Yield Strength	Bars for Concrete	ISO 15630-1/2019
	- Elongation	Reinforcements	
Mechanical	- Tensile Strength	Ribbed Carbon-Steel	BS 4449/2016
	- Yield Strength	Bars for Concrete	
	- Elongation	Reinforcements	
Mechanical	Mass per unit length	Steel Bars for concrete	ASTM E8M:2022,
	tolerance	reinforcement	BS 4449:2016
Mechanical	- Tensile strength	Steel Bars for concrete	ASTM A370
	- Yield strength	reinforcement	ASTM A615
	- Elongation		
Mechanical	- Bend Test	Steel Bars for concrete	ASTM E290:2022,
	- Re-bend test	reinforcement	ISO 7438:2016,
			ISO 7438:2016
Mechanical	Diameter tolerance	Steel Bars for concrete	ISO 6892-1:2109
		reinforcement	
Mechanical	Tensile strength, Yield	Steel Bars for concrete	ISO 6892-1:2109,
	strength after ageing	reinforcement	ISO 6892-1:2019

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Border Port	Company for General Trading,	
	Contracting, Public Transport, Oil	
	Services, Inspection, Quality	79
	Standardization and Packaging	
Signature:	Accreditation is valid:	Issue no.:
Eng. Abdul Wahid M. Ibrahim	From 27/5/2025 To 26/5/2027	001
Director General of IQAS		

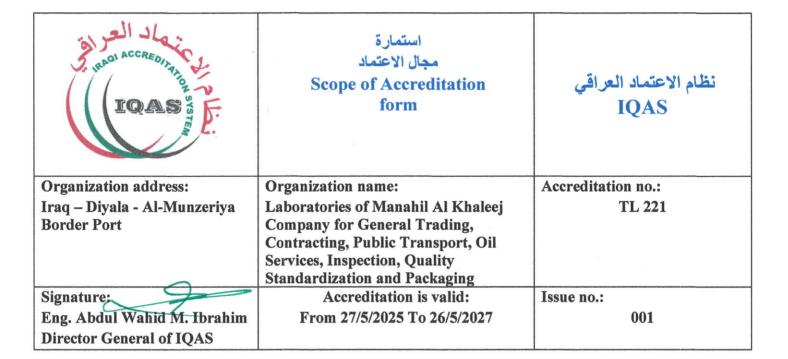
Mechanical	Elongation(after fracture,	Steel Bars for concrete	ISO 15630-1:2019,
	total Eat max force)	Reinforcement	ISO 15630-1:2019
Physical	Markings	Steel Bars for concrete	ISO 6935:2019
•		reinforcement	
Mechanical	Tensile strength	Textile	IQS 930
Physical	Geometrical Characteristics	PVC-U pipes within the	ISO 3126:2005, IQS
		building structure	1512:2022, IQS
		PVC-U pipes for non-	5037:2022, ISO 4427-
		pressure underground	2:2019
		pipes Polyethylene (PE)	
		pipes for water supply &	
		for drainage	
Physical	Impact resistance (round	PVC-U pipes	EN ISO 3127:2017,
•	the clock method)		IQS 1512:2022, IQS
			5037:2022
Physical	Vicat softening temperature	PVC-U pipes	EN ISO 2507-1:2017
			IQS 1512:2022, IQS
			5037:2022
Physical	Longitudinal reversion (air	PVC-U pipes & PE	EN ISO 2505:2005
	oven method)	pipes	IQS 1512:2022, IQS
			5037:2022,ISO 2505
Chemical	Identification plastic type	Plastic	ISO 11469
Mechanical	- Dimensions	PVC insulated and	IQS:2313/ 2014
& Physical	- resistance to stretching	sheathed flat cables for	
•	- elongation	fixed installations	
Mechanical	- Thickness	The rmoplastic insulated	IQS:2200/ 2002
& Physical	- Bastard	and rubber or the	
•	- Electrical	rmoplastic covered flat	
	- Mechanical	cables of rated voltage	
	- Thermal	(400 v)	

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Iraq – Diyala - Al-Munzeriya	Laboratories of Manahil Al Khaleej	TL 221
Border Port	Company for General Trading,	
	Contracting, Public Transport, Oil	
	Services, Inspection, Quality	797
	Standardization and Packaging	
Signature:	Accreditation is valid:	Issue no.:
Eng. Abdul Wahid M. Ibrahim	From 27/5/2025 To 26/5/2027	001
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Petroleum & Petrochemical	Standard Test Method for Density, Relative Density, and API Gravity of Crude Oils by Digital Density Analyzer	Crude Oil	ASTM D5002
Petroleum & Petrochemical	Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure)	Crude Oil	ASTM D4007
Petroleum & Petrochemical	Density, relative density, or API gravity of crude petroleum and liquid petroleum products by hydrometer method	Crude Oil	ASTM D1298
Petroleum & Petrochemical	Standard test method for water in crude oil by distillation	Crude Oil	ASTM D4006
Petroleum & Petrochemical	Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry	Crude Oils	ASTM D4294
Petroleum & Petrochemical	Vapor Pressure of Petroleum Products (Reid Method)	Crude Oils	ASTM D323
Petroleum & Petrochemical	Flash point	Gasoil and Oil	ASTM D 7094, ASTM D92
Petroleum & Petrochemical	Pour point and cloud point	Gasoil and Oil	ASTM D 97
Petroleum & Petrochemical	Freezing point	Fuel (Kerosene, gasoil, gasoline, Naphtha, ethanol, etc.) and oil	ASTM D97
Petroleum & Petrochemical	Density	Fuel (Kerosene, gasoil, gasoline, Naphtha, ethanol, etc.) and oil	ASTM D4052 (Densometer)

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Petroleum & Petrochemical	Distillation	Fuel (Kerosene, gasoil, gasoline, Naphtha, ethanol, etc.)	ASTM D86
Petroleum & Petrochemical	Determination of Biodiesel (Fatty Acid Methyl Ester) and Triglyceride Content in Diesel Fuel Oil Using Mid-Infrared Spectroscopy	Gasoil and gasoline	ASTM D7806
Petroleum & Petrochemical	Viscosity	Fuel (Kerosene, gasoil, gasoline, Naphtha, ethanol, etc.) and oil	ASTM D445
Petroleum & Petrochemical	Sulfur content	Fuel (Kerosene, gasoil, gasoline, Naphtha, ethanol, etc.) and oil	ASTM D2622
Petroleum & Petrochemical	Heavy metals and trace elements	Fuel (Kerosene, gasoil, gasoline, Naphtha, ethanol, etc.) and oil	ASTM D8064 (XRF)
Petroleum & Petrochemical	Vapor pressure	Gasoline	ASTM D5191
Petroleum & Petrochemical	Octane number	Gasoline	ASTM D 5845
Petroleum & Petrochemical	Benzene content	Gasoline	ASTM D 6277
Petroleum & Petrochemical	Olefin content	Gasoline	ASTM D 4052
Petroleum & Petrochemical	Aromatic content	Gasoline	ASTM D 4052
Petroleum & Petrochemical	Oxygen & oxygenate content	Gasoline	ASTM D 4052
Electrical	- Determination of Voltage,	Batteries	IEC 60095-1: 2018

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Agricultural	- Capacity - Density Seed germination and viability	Cereal, seed and grains	Bio-protocol/e 884
Mechanical & Physical	Visual basic	Wooden sticks used for ice cream	IQS 702
Mechanical & Physical	Thickness and moisture content	Plywood specification for construction of panels and characteristics of plies	IQS 1637/1991
Mechanical & Physical	Moisture content	Plywood specification for tolerances on the dimensions	IQS 1638/1991
Mechanical & Physical	- Thickness - Offer - High	School furniture class room chairs and for use in secondary	IQS:1779/1992
Mechanical & Physical	- Thickness - offer - High	School furniture classroom chairs and tables for use in primary schools	IQS:1781/1993

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