

شهادة اعتماد

رقم TL 304



يقر نظام الاعتماد العراقي بأن:
مختبر شركة بغداد العالمية للفحوصات الهندسية
العراق - الانبار - الفلوجة

تم اعتماده وفقا لمتطلبات المواصفة ISO/ IEC 17025:2017
(المتطلبات العامة لاهلية مختبرات الفحص والمعايرة)

في مجال:

- اختبارات المواد الانشائية
- اختبارات المواد الكيميائية
- اختبارات المواد البلاستيكية
- اختبارات المواد المعدنية
- اختبارات الأجهزة والمعدات الكهربائية والالكترونية

شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لا يتجزأ منها
يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني

<https://iqas.mop.gov.iq>

يكون الاعتماد نافذا من ٢٠٢٦/٨/١٩ الى ٢٠٢٨/٨/١٨

تاريخ منح الاعتماد لأول مرة
٢٠٢٦/٨/١٩

فالح ساري
وزير المالية
وزير التخطيط/ وكالة

محمد أيمن عمر
مدير عام الهيئة/ وكالة

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 304



Iraqi Accreditation System Certify that:
**Laboratory of Baghdad International
Company for Engineering Tests**
Iraq – Al-Anbar – Fallujah

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:

- Construction Materials Testing
- Chemical Materials Testing
- Polymer Materials Testing
- Metallurgical 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

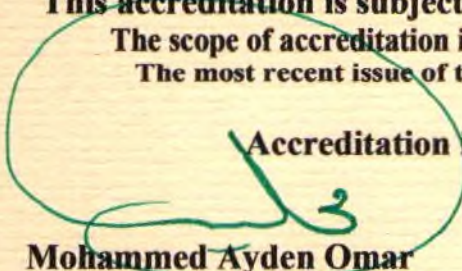
The most recent issue of the accreditation scope is available on IQAS website

<https://iqas.mop.gov.iq>

Accreditation is valid From 19/8/2026 To 18/8/2028

Initial accreditation date

19/8/2026


Mohammed Ayden Omar
Director General of IQAS

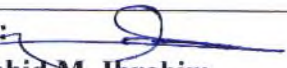

Falih Sari
Minister of Finance
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
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Signature:  Abdul Wahid M. Ibrahim Deputy General Manager	Accreditation is valid: From 19/8/2026 To 18/8/2028	Issue no.: 001

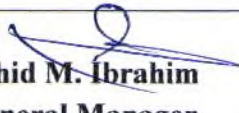
Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical	Determination of compressive strength	Concrete cubes	Iraqi guide no. 348:2017 BS EN 12390-3:2009
Physical	Determination of density	Concrete cubes	Iraqi guide no. 247:1992
Mechanical	Determination of modulus rupture and breaking strength	Pre – cast concrete tiles	IQS 1107:1992
Mechanical	Determination of modulus rupture and breaking strength	Ceramic tiles	Iraqi technical requirement NO.8 EN ISO 10545 PART 4
Mechanical	Determination of stability and flow	Asphalt mixtures	ASTM D6927-15
	Preparation of asphalt mixture specimens using marshal apparatuses		ASTM D6926-20
Physical and Mechanical	Determination of elongation	Carbon structural steel	ASTM A370
	Determination of tensile strength		ASTM A36
	Determination yield strength		ASTM A529
	Determination of dimensions		
Physical and Mechanical	Determination of elongation	Steel reinforcing bars	ASTM A370
	Determination of tensile strength		ASTM A615M
	Determination yield strength		
	Determination bending		
	Deformation requirements		
	Determination of weight		
	Determination of dimensions		
Physical and Mechanical	Determination of tensile strength	Carbon-steel wire and welded wire reinforcement	ASTM A370
	Determination yield strength		ASTM A1064
	Determination bending		
	Deformation requirements		

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	Determination of weight		
	Determination of dimensions		
	Spacing		
Chemical	Zinc Coating Thickness	Zinc (hot-dip galvanized) coatings on iron and steel products	ASTM A90 ASTM A123
Mechanical and Physical Testing	Determination of Thickness	Pipe, steel, black and hot dipped, zinc-coated, welded and seamless	ASTM A370 ASTM A53 ASTM A106
	Determination of Elongation		
	Determination of Tensile strength		
	Determination Yield strength		
	Determination of Dimensions		
Mechanical and Physical	Determination of Elongation	Ductile iron pipes, fittings, accessories and their joints for water applications	ISO 2531
	Determination of Tensile strength		
	Determination Yield strength		
	Determination of Dimensions		
	Iron Wall Thickness		
	Cement Mortar Lining Thickness		
	Surface Condition		
Mechanical and Physical Testing	Pipe Coating	Unplasticized polyvinyl chloride (PVC-U) pipes	DIN 8061 DIN 8062
	Determination of form Supplied and Surface Quality		
	Dimensions, Tolerances and out-of Roundness		
	Long-Term Hydrostatic Pressure		
	Determination of Weight		
	Impact Strength		
Mechanical and Physical	Heat Reversion	Polypropylene (pp) pipes	DIN 8077 DIN 8078
	Determination of form Supplied and Surface Quality		
	Dimensions, Tolerances and out-of		

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Testing	Roundness		
	Long-Term Hydrostatic Pressure		
	Determination of Weight		
	Heat Reversion		
Chemical and Physical	Determination of Compressive Strength	Cement	I.G.O 198
	Determination of Setting Time		I.Q.S No. 5
	Determination of SiO ₂ contents		I.G.O 472 I.Q.S No. 5
	Determination of CaO contents		
	Determination of MgO contents		
	Determination of Fe ₂ O ₃ content		
	Determination of Al ₂ O ₃ content		
	Determination of Loss of Ignition		
	Determination of Insoluble Residue		
	Determination SO ₃ contents		
Mechanical and Physical Testing	Determination of Compressive Strength	Concrete interlocking paving units	ASTM C140
	Determination of Absorption		I.Q.S No. 1606
	Determination of Dimensions		
Physical Testing	Determination of compressive strength	Gypsum	I.Q.S NO.28:1988
	Determination of modulus rupture and breaking strength		
	Determination of hardness		
	Determination of Setting time		
	Determination of Smoothness		
Mechanical and Physical Testing	Determination of Compressive Strength	Clay building bricks	I.Q.S 24
	Determination of Absorption		I.Q.S 25
	Determination of Dimensions		
	Determination of General Mechanical Appearance and Shape		
	Determination of Leveling of Surface		
	Determination of Dimensions		
	Determination of Water Absorption		
	Determination of Efflorescence		
Mechanical	Determination of compressive strength	Concrete core	Iraqi guide no.1:1987

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and Physical	Determination of density		Iraqi guide no. 247:1992
Mechanical and Physical	Determination of Dimensions	Concrete masonry units	I.Q.S 32
	Determination of Absorption		ASTM C140
	Determination of Compressive Strength		
Mechanical and Physical	Determination of Flexural	Terrazzo tiles	I.Q.S 1042
	Determination of Dimensions		
	Determination of Absorption		
	Determination of Appearance		
	Determination of Wear		
Mechanical and Physical	Determination of Flexural	Precast concrete flags	I.Q.S 1107
	Determination of Dimensions		I.G.O 995
	Determination of Absorption		
	Determination face leveling		
Mechanical and Physical	Determination of Bending	Concrete kurb units	ISO 1340
	Determination of Dimensions		I.Q.S 5164
	Determination of Absorption		
	Determination of Texture		
Mechanical and Physical	Determination of Dimensions	Nonloadbearing concrete masonry units	I.Q.S 5190
	Determination of Absorption		
	Determination of Compressive Strength		
	Determination of Finish and Appearance		
Mechanical and Physical	Determination of dimensions and anical surface quality	Ceramic tiles	ISO 13006
	Determination of Modulus of Rupture and Breaking Strength		ISO 10545-2
Physical and Chemical	Determination of Grading (Sieve Analysis)	Coarse aggregate (gravel)	ISO 13006
	Determination of Finer Than 0.075mm		ISO 10545-4
	Determination SO ₃ contents		I.Q.S 45
Physical and	Determination of Grading (Sieve Analysis)	Fine aggregate	I.G.O 500/3
			I.Q.S 45

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Chemical	Determination of Finer Than 0.075mm	(sand)	
	Determination SO ₃ contents		I.G.O 500/3
Physical and Chemical	Determination of Grading (Sieve Analysis)	Fine aggregate (sand)	BS EN 13139
	Determination of Finer Than 0.063mm		
	Determination SO ₃ contents		
Physical and Chemical	Standard test method for Marshall stability and flow and air void and bulk density	Asphalt concrete	ASTM D6927
	Quantitative Extraction of Asphalt Binder from Asphalt Mixtures		ASTM D2172
	Determination of Compaction and Thickness		ASTM D3549
	Standard test Method for Asphalt Content of Asphalt Mixture and Sieve Analysis		ASTM D6307 ASTM D136
Physical and Mechanical	Determination of breaking strength	Bituminous sheet material	ASTM D5147
	Determination of pliability		
	Determination of thickness		
	Determination of Loss on Heating		ASTM D146
Physical and Mechanical Testing	Cone Penetration	Sealants and fillers, hot and cold- applied for joints and cracks	ASTM D5329
	Flow		I.Q.S 1110
	Bond		I.Q.S 1136
Physical and Mechanical Testing	Weight per Litter	Emulsified asphalt	ASTM D1227
	Residue by Evaporation		I.Q.S 1173
	Ash Content of Residue		
	Water Content		
	Flammability		
Physical and	Heat Test	Cutback	ASTM D2027
	Flexibility		

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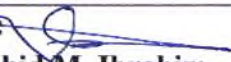
Mechanical Testing	Kinematic Viscosity	asphalt	ASTMD2028
	Flash Point	prime coat	AASHTO M 81
	Residue from Distillation to 360°C	Tack coat	AASHTO M 82
	Water %		
	Residue Solubility in Trichloroethylene		
	Tests on residue: Viscosity at 60°C Ductility at 25°C		
Physical and Chemical Testing	Penetration Test	Asphalt used in roofing	ASTM D36
	Ductility		ASTM D92
	Flash Point		ASTM D113
	Softening Point		I.Q.S 1196
	Solubility in Trichloroethylene		ASTM D5
	Determination of grading (sieve analysis)	Sub base	ASTM C136
	Determination of maximum dry density		ASTM D1557
	Determination of California bearing ratio		ASTM D1883
	Determination of density and unit weight of soil in place		ASTM D2167 ASTM D1556
	Testing determination of so ₃ contents		B.S 1377-3
Physical , and Mechanical	Determination of density of soil in place by the drive-cylinder method	Soil	Earth manual E8
	Determination of maximum dry density		ASTM D2937
	Determination of grading (sieve analysis)		ASTM D698 ASTM D1557
	Determination of Finer Than 0.075mm		ASTM C136
	Determination of the liquid limit, plastic limit, and the plasticity index of soils		ASTM D1140 ASTM D4318
	Determination of California Bearing Ratio		ASTM D1883

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Chemical	Determination of SO ₃ contents		B.S 1377-3
Physical and Chemical	Determination of TSS, Cl, SO ₃ , and Organic content for soil PH, Cl, SO ₄ , and TDS for water	Soil investigation	B.S 1377 Earth manual E8
	Determination of Atterberg Limits (liquid limit and plastics limit)		ASTM D 4318
	Determination of Direct Shear		ASTM D 3080
	Determination of Grain Size Analysis		ASTM D 422
	Determination of Weight		B.S 1377
	Neutral Water Content		ASTM D 2216
	Field Standard Penetration Test		ASTM D 1586
	Unconfined Compression Test		ASTM D 2166
	Specific Gravity		ASTM D 854
	Consolidation Test		ASTM D 2435
Physical and Mechanical	Dimension	Manhole cover	BS EN 124
	Load bearing		IQS 1490
	Group and classification		
	Uses		
Physical and Mechanical	Maximum load	Load test for concrete structure	ACI-318
	Deflection		
Physical and Mechanical	Maximum load	Pile Load test	ASTM D-1143
	Deflection		IBC 302 م.ب.ع
Physical and Mechanical	Maximum load	Plate load test	ASTM D-1196
	Deflection		
Physical and Mechanical	Dimension	Sandwich panel	ASTM D7249
	Density of isolation materials		

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	compressive strength of isolation materials		EN 13501-1
Physical and Chemical	appearance	Chlorine powder	ISIRI 2361
	chlorine		
	Density, g/ml		
	Na ₂ ClO ₃ , %w/v		
	Na ₂ ClO ₃		
	Fe		
	Co		
	Cu		
	Ni		
	Hg		
	As		
	Cd		
	Cr		
	Pb		
	Sb		
	Se		
Physical and Mechanical	Dimension	Foam	ASTM C272 ASTM C203 ASTM D2126 ASTM D1621 EN 13501-
	Density		
	Water absorption		
	Compressive resistance		
	Flexural strength		
Physical and Chemical	pH	Aluminum sulfate Powder	HG 2225-2010 CDC 6 (960) DTZS BS EN 878: 2016
	Melting point		
	Density		
	Water absorption		
	Appearance		
	Al ₂ O ₃		
	water insoluble matter		
	Particle Size		

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Chemical	Quantity of Pb	Extractability of toxicity materials in water	I.Q.S 417
	Quantity of Cd		
	Quantity of Hg		
	Quantity of Sn		
	Quantity of Ni		
	Quantity of MN		
	Quantity of Cr		
	Quantity of Fe		
	Quantity of Zn		
	Fe ₂ O ₃		
Physical and Mechanical	Type and class	Adhesive materials	EN:12004
	Extended Open Time		
	Tensile strength		
	Slip-Resistance		
Physical and Mechanical	Dimension	Cement Board	ASTM C 1185
	Density		ASTM C 518
	Water absorption		ASTM C 696
	Compressive resistance		ASTM D 1037
	Thermal Expansion		EN 13501-1

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Physical and Mechanical	Dimension	Gypsum Board	IQS 1676 EN 520 EN 13501-1
	Density		
	Deviation due to humidity		
	Compressive resistance		
Physical and Mechanical	Dimension	Wool materials	IQS 1470
	Density		
	Absorption		
	Compressive resistance		
	Thermal stability		
Physical and Mechanical	Density	Epoxy materials	EN ISO 527 ASTM 638 ASTM 790 ASTM D 2240 ASTM C 307
	Flash point		
	Solubility in water		
	Tensile Strength		
	Flexural Strength		
	Physical state		
	Coat thickness		
	Solid content		
	Full curing		
Physical and Chemical	Density	Filter materials Sand and gravel Filters	IQS 1555
	Grading limit		

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	SO3 percentage Solubility in HCL organic content silica content sieve analysis		
Physical and Mechanical	Spacing and Diameter of steel bar area of reinforcement Absorption Compressive strength cover of reinforcement Shape and defect point SO3 content	Concrete pipe	AASHTO T280-06 IQS 1432
Chemical	Carbon Manganese Phosphorus Sulfur Silicon Cooper	Steel section (plate, pipe, shape) and steel bars, Anchor bolt, shear connector, bolts, screw	ASTM A36
Physical and Mechanical	Dimension Compressive strength	Nondestructive test (ultrasonic and	ASTM C 597 ASTM C 805

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Physical and Mechanical	Dimension	hammer)	
	Tensile strength	Lamella sheet	ISO 11922-1 ASTM D938 ASTM D1004 ASTM D1204
	Elongation at break		
	Linear dimensional change		
Chemical	SO3	Water for contraction purpose	IQS 1703 IQS.2270
	Carbonate and bicarbonate		
	Chloride		
	Inorganic impurities		
	organic impurities		
	TDS		
	Hardness		
Physical	Determination of dimension	Pre – cast concrete tiles	IQS 1107:1992
	Determination of water absorption		
	Determination of class		
Physical and Chemical	Determination of dimension	Ceramic tiles	Iraqi technical requirement NO.8 EN ISO 10545 PART 4
	Determination deviation from straightness		
	Determination deviation from flatness in surface		
	Determination of water absorption		
	Determination chemical resistance		
Physical and	Determination of Residual strength resulting from water damage	Asphalt	AASHTO T283

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Mechanical		mixtures	
	Roughness Flatness Level of asphalt layer	Asphalt	ASTM E1364 ASTM E1703 AASHTO R41
Chemical	Determination of Gypsum contents	Sub base	Earth manual E8
	Determination of clay contents		
	Determination of organic contents		
Physical and Mechanical	Determination of Elongation	Aluminum section	ASTM A370
	Determination of Tensile strength		ASTM A36
	Determination Yield strength		ASTM A529
	Determination of Dimensions		EN 485-4
Physical and Mechanical	Determination of Dimensions	Anchor bolts, screw, wisher, Shear connector	ASTM A325 ASTM F1554 ISO 989
	Determination of Elongation		
	Determination of Tensile strength		
	Determination Yield strength		
	Determination Bending		
	Deformation Requirements		
	Determination of Weight		
Mechanical	Determination of pressure	Pipe, steel, black and hot dipped, zinc-coated, welded	ASTM A370 ASTM A53 ASTM A106 ASTM B280
	Hardness		

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	Hardness		
Chemical	Resistance to dichloromethane		
Physical and Mechanical	Determination of Stability	Cement	I.G.O 472
	Determination of Softness		I.Q.S No. 5
Chemical	Loss by burning	Gypsum	I.Q.S NO.28:1988
	Percentage of SO ₃		
	Percentage of Cao		
	percentage of united water		
Physical and Chemical	Determination of clay content	Coarse Aggregate (gravel)	I.Q.S 45
	Determination of light materials content		I.G.O 500/3
	Determination of organic content		
Physical and Chemical	Determination of clay content	Fine Aggregate (sand)	I.Q.S 45
	Determination of light materials content		I.G.O 500/3
	Determination of organic content		
Physical and Mechanical	Determination of elongation	Bituminous sheet material	ASTM D5147
	Density		IQS 4
	Determination of cracks		
Physical and Mechanical	Determination of breaking strength and elongation	Bitumen Felts	ASTM D5147
	Density		IQS 4
	Determination of cracks		ASTM D146

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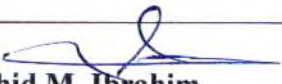
Physical and Mechanical	Determination Hardness	and seamless Ductile iron pipes, fittings, accessories and their joints for water applications	ISO 2531
	Determination Ovality		
	Determination of Pressure		
Mechanical and Chemical	Strength at yield	Unplasticized polyvinyl chloride (PVC- U) pipes	DIN 8061
	Elongation at yield		DIN 8062
	Resistance to dichloromethane		
	Determination of Pressure		
Mechanical	Impact Strength	Polypropylene (PPR) Pipes	DIN 8077
	Strength at yield		DIN 8078
	Elongation at yield		
Physical and Mechanical	Dimensions	GRP Glass Reinforced Polyester Pipes	ISO23856/2021
	Hydrostatic Pressure		
	Thickness		
	Tensile strength		
	Impact test		
	Stiffness		
Chemical	Resistance to dichloromethane		
Physical and Mechanical	Dimensions	Polyethylene pipes (PE Pipes)	DIN 8074
	weight		
	Hydrostatic Pressure		
	Thickness		
	Tensile strength		
	Impact		

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	Determination of pliability		
	Determination of thickness		
	Determination of Loss on Heating		
Physical	Effect of temperature	Sealants and Fillers, Hot and Cold- Applied for Joints and Cracks	I.Q.S 1136
Mechanical	Elastic recovery	Polymer Asphalt	ASTM D113
	G*/ Sin Δ original binder @ 76, kPa		SORB \R9
	G*/ Sin Δ by short term aging RTFO@ 76, kPa		ASTM D6084
Physical and Mechanical	Dimension	Styropor	ASTM C272 ASTM C203 ASTM C303 ASTM D2126 ASTM D1621 EN 13501-1
	Density		
	Water absorption		
	Compressive resistance		
	Flexural strength		
Physical and Mechanical	Determination of Humidified deflection	Cement Board	ASTM C 1185 ASTM C 518 ASTM C 696 ASTM D 1037 EN 13501-1
	Flexural strength		

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Mechanical	Flexural strength	Gypsum Board	IQS 1676 EN 520 EN 13501-1 EN ISO 10545-2 ASTM E136
	Thermal Expansion		
Physical and Mechanical	Dimension	Boardex panel Frontek panel	IQS 1676 EN 520 EN 13501-1 EN ISO 10545-2 ASTM E136
	Density		
	Appearance		
	Deviation due to humidity		
	Flexural strength		
	Compressive resistance		
	Thermal Expansion		
Physical and Mechanical	determination of cracks	Nondestructive test (ultrasonic and hammer)	ASTM C 597 ASTM C 805
Chemical	TDS	Wastewater from sewer system Wastewater	Environmental Limitation IQS 25
	TSS		
	PH		
	BOD		
	COD		
	Ammonia NH3		
	Nitrate NO2		

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	Pats. Oil greense	disposal from treatment plant	
	Total bacteria removal		
	99.99% virus removal		
	Turbidity		
	Phenol		
Physical and Mechanical	Determination of Appearance	Natural stone Granite, Marble, basalt	IQS 1837 IGO 65
	Determination of dimension		
	Determination of density		
	Determination of modulus of rupture		
	Determination of water absorption		
	Determination of compressive strength		
	Determination of wear resistance		
Mechanical	Determination of bond strength of steel rebar	pull out test rebar in site	clients requirements
Physical and Mechanical	Appearance	Glass	ASTM C1048 DIN EN ISO 12543 BS-EN 12150 IQS 1608
	Determination of dimension		
	Impact test		
	Resistance to Fragmentation		
Physical and Mechanical	Appearance	Exterior and interior Paints Redoxide – Linseed oil Priming Paint Priming Coat Zinc – Yellow Iron Oxide Ready Mixed	I.Q.S 985 I.Q.S 871 I.Q.S 877 I.Q.S 960 I.Q.S 1744 I.Q.S. 1101
	Specific gravity		
	Heat Stability		
	Dilute in Water		
	Drying Time		
	Chemical resistance		
	Wash resistance		
	Color		
	Shine		
	Spray feature		

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	Contrast ratio of white	Enamel , Alkyd, Gloss Air Drying for Exterior and Interior Surfaces Hot –Applied Thermoplastic Road Traffic , Highway , White & Yellow Paint	
	Water resistance		
	Glass ball		
	Slip resistance		
	Uses		
Physical and Mechanical	Determination water content	Additive materials for concrete	ASTM C494/C 494
	Determination Time setting		
	Determination Compressive strength		
	Determination Flexural Strength		
	Determination shrinkage Length change		
Physical and Mechanical	Determination of Dimensions	Acoustic ceilings PVC floor and door PVC marble PVC wood PVC chair	EN 13501-1 (ISO) 20743 IQS 1168 EN ISO 10582 ٤٢٠٣BS EN426
	Stability of dimension		
	Antibacterial resistance		
	Impact resistance		
	Isolation		
	Effect of change in Temperature		
	Effect of Humidity		
	Wear resistance		
Physical and Mechanical	Insulation test	Electrical Power transformers Circuit	Iraqi building code 402/1:2015 IEC 60076 /1-11
	Generic general specification, Definition and requirements		
	Dimensions		
	Determination Ratio test TTR		

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	Omicron cpc 100	breakers Wires Cables Coaxial Conductors Electric generators Lights Fans Solar cells	IEC 60502-1 IEC 60288
	Determination of Finish and Appearance		
	Determination of DC voltage test		
	Determination of Max. Conductor Resistance		
	Determination of Elongation for Insulation, Sheath and Conductor		
	Tensile Strength for Insulation, Sheath and Conductor		
	Determination of Yield Strength for Insulation, Sheath and Conductor		
Mechanical Physical and Chemical	Visual inspection	Bearing Pad Joints	ASTM D412-06 ASTM D1149
	Dimensions		
	Tensile strength		
	Resistance to ozone		