



المركز السعودي للاعتماد
Saudi Accreditation Center



شهادة اعتماد

ACCREDITATION CERTIFICATE

Saudi Accreditation (SAAC) certifies that :

Saudi Arabia Quality Company

Address: Riyadh

Scope : **Electrical and electronic**

Has met the requirements of Saudi Accreditation Center and has been accredited in compliance with the following standard :

يشهد الاعتماد السعودي بأن :

شركة الجودة العربية السعودية

العنوان : الرياض

المجال : **الكهربائية والإلكترونية**

قد حقق متطلبات المركز السعودي للاعتماد وتم اعتماده وفقاً لمتطلبات المواصفات القياسية التالية :

ISO/IEC 17025:2017

General Requirements for the competence of testing and calibration laboratories

المتطلبات العامة لكفاءة مختبرات الفحص والمعايرة

N-T-00255



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المركز السعودي للاعتماد
Saudi Accreditation Center



مجال الاعتماد

شركة الجودة العربية السعودية

الرياض

الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
مفعل	Test probes Test pin Test finger Force gauges Digital Caliper Clamp meter Digital multi tester Hipot tester Digital multi-tester Hipot tester Video measuring system Cord anchorage tester Length meter Clearance and creepage gauge	IEC 60335-1 GSO IEC 60335-1 SASO GSO IEC 60335-1 SASO IEC 60335-2 Series SASO GSO 60335-2 Series GSO IEC 60335-2 Series IEC 60335-2 series IEC 60998-1 IEC 60998-2 series , SASO 415 , SASO 414 , SASO-GSO-1858 , SASO- GSO-1859 SASO GSO 1961 SASO GSO 1962 BS ISO 22810 BS EN ISO 12499 SASO GSO 1963 SASO GSO 1964	Household and similar electrical appliances	Performance and Visual Test 1- Marking and instructions 2- Construction 3- Components 4- Clearances , creepage distances and solid insulation 5- Protection against access to live parts	1
مفعل	Digital power meter Variable supply voltage Energy meter Digital multi-tester Thermometer Thermal gun Temperature data logger Thermal cabinet Leakge current tester Hipot tester Power meter Earth resistance tester	IEC 60335-1 GSO IEC 60335-1 SASO GSO IEC 60335-1 SASO IEC 60335-2 Series SASO GSO 60335-2 Series GSO IEC 60335-2 Series IEC 60335-2 series IEC 60998-1 IEC 60998-2 series , SASO 415 , SASO 414 , SASO-GSO-1858 , SASO- GSO-1859 SASO GSO 1961 SASO GSO 1962 BS ISO 22810 BS EN ISO 12499 SASO GSO 1963 SASO GSO 1964	Household and similar electrical appliances	Electrical tests: 1- Power input and current 2- Heating and protection against temperature rise 3- Leakage current and electric strength 4- Leakage current and electric strength at operating temperature 5- Abnormal operation 6- Provision for earthing	2



N-T-00255

الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
مفعل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7) Heating cabinet Ball pressure aparatus Glow wire tester Digital caliper Video measuring system Heating cabinet	IEC 60335-1 GSO IEC 60335-1 SASO GSO IEC 60335-1 SASO IEC 60335-2 Series SASO GSO 60335-2 Series GSO IEC 60335-2 Series IEC 60335-2 series IEC 60998-1 IEC 60998-2 series , SASO 415 , SASO 414 , SASO-GSO-1858 , SASO-GSO-1859 SASO GSO 1961 SASO GSO 1962 BS ISO 22810 BS EN ISO 12499 SASO GSO 1963 SASO GSO 1964	Household and similar electrical appliances	Environmental tests: 1- Resistance to solid and foreign object , Moisture resistance (including IP Test) 2- Resistance to heat and fire , Flame retardation 3- Resistance to rusting	3
مفعل	Digital angle gauge Test probes Force gauge Impact Hammers Digital Caliper Test probes force gauges Tumbling barrel Length meter Micro-meter Torque screw driver	IEC 60335-1 GSO IEC 60335-1 SASO GSO IEC 60335-1 SASO IEC 60335-2 Series SASO GSO 60335-2 Series GSO IEC 60335-2 Series IEC 60335-2 series IEC 60998-1 IEC 60998-2 series , SASO 415 , SASO 414 , SASO-GSO-1858 , SASO-GSO-1859 SASO GSO 1961 SASO GSO 1962 BS EN ISO 12499 SASO GSO 1963 SASO GSO 1964	Household and similar electrical appliances	Mechanical Test: 1- Stability and mechanical hazards 2- Mechanical strength 3- Terminals for external conductors 4- Screws and connections 5- Supply connection and external flexible cords	4
مفعل	Impact hammer Torque screwdriver Torsion meter Heating cabinet Stop watch Clearance and creepage gauge Digital caliper Video measuring system	IEC 60598-1 GSO IEC 60598-1 SASO IEC 60598-2 Series SASO GSO 60598-2 Series GSO IEC 60598-2 Series IEC 60335-2 series IEC 62560 IEC 62612 IEC 62776 IEC 62031 IEC 60809 BS 6972 IEC 60810 IEC 60662 IEC 61195 IEC 62838 IEC 60081 IEC 60968 IEC 60969 IEC 61050 EN 40-1 EN 40-2 series IEC 60064 IEC 61199 IEC 62471-1 IEC 60471-2 series IEC 60188 IEC 62035 IEC 62717 IEC 60357 IEC 60901 IEC 60838-1 IEC 62722-1 IEC 62722-2-1	Luminaires - General requirements and tests , led lightings and similar lightings	Performance and Visual Test : 1- Marking and instructions 2- Construction 3- Clearances , creepage distances and solid insulation 4- Protection against access to live parts	5
مفعل	Thermometer thermal gun temperature data logger thermal cabinet	IEC 60598-1 GSO IEC 60598-1 SASO IEC 60598-2 Series SASO GSO 60598-2 Series GSO IEC 60598-2 Series IEC 60335-2 series IEC 62560 IEC 62612 IEC	Luminaires - General requirements and tests , led lightings and similar lightings	Electrical tests: 1- Heating and protection against temperature rise 2- Leakage current and electric strength	6



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	HiPOT tester including insulation Resistance tester Leakage current tester Earth resistance tester Test probes Test pin Test finger Force gauges Digital multi-tester	62776 IEC 62031 IEC 60809 BS 6972 IEC 60810 IEC 60662 IEC 61195 IEC 62838 IEC 60081 IEC 60968 IEC 60969 IEC 61050 EN 40-1 EN 40-2 series IEC 60064 IEC 61199 IEC 62471-1 IEC 60471-2 series IEC 60188 IEC 62035 IEC 62717 IEC 60357 IEC 60901 IEC 60838-1 IEC 62722-1 IEC 62722-2-2		3- Leakage current and electric strength at operating temperature 4- Provision for earthing	
مفعّل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7) Heating cabinet Ball pressure apparatus Glow wire tester Digital caliper Video measuring system	IEC 60598-1 GSO IEC 60598-1 SASO IEC 60598-2 Series SASO GSO 60598-2 Series GSO IEC 60598-2 Series IEC 60335-2 series IEC 62560 IEC 62612 IEC 62776 IEC 62031 IEC 60809 BS 6972 IEC 60810 IEC 60662 IEC 61195 IEC 62838 IEC 60081 IEC 60968 IEC 60969 IEC 61050 EN 40-1 EN 40-2 series IEC 60064 IEC 61199 IEC 62471-1 IEC 60471-2 series IEC 60188 IEC 62035 IEC 62717 IEC 60357 IEC 60901 IEC 60838-1 IEC 62722-1 IEC 62722-2-3	Luminaires - General requirements and tests , led lightings and similar lightings	Environmental tests: 1- Resistance to solid and foreign object , Moisture resistance (including IP Test) 2- Resistance to heat and fire , Flame retardation 3- Resistance to rusting	7
مفعّل	Micro meter cord anchorage tester force gauge torque driver digital caliper	IEC 60598-1 GSO IEC 60598-1 SASO IEC 60598-2 Series SASO GSO 60598-2 Series GSO IEC 60598-2 Series IEC 60335-2 series IEC 62560 IEC 62612 IEC 62776 IEC 62031 IEC 60809 BS 6972 IEC 60810 IEC 60662 IEC 61195 IEC 62838 IEC 60081 IEC 60968 IEC 60969 IEC 61050 EN 40-1 EN 40-2 series IEC 60064 IEC 61199 IEC 62471-1 IEC 60471-2 series IEC 60188 IEC 62035 IEC 62717 IEC 60357 IEC 60901 IEC 60838-1 IEC 62722-1 IEC 62722-2-4	Luminaires - General requirements and tests , led lightings and similar lightings	Mechanical Test: 1- Screws and Screwless terminals and Electrical connections 2- External and Internal wiring	8
مفعّل	Digital Caliper Clamp meter digital multi tester Clearance and creepage gauge digital caliper video measuring system	IEC 60745-1 IEC 60745-2 Series IEC 61029-1 IEC 61029-2 Series IEC 60204-1 IEC 60034-1 IEC 60034- series	Hand-held / portable / transportable motor-operated electric tools / Electrical equipment of machines	Performance and Visual Test : 1- Marking and instructions 2- Construction 3- Clearances , creepage distances and solid insulation	9



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
				4- Protection against access to live parts	
مفعّل	Digital power meter Digital multi-tester thermometer thermal gun temperature data logger thermal cabinet Leakge current tester data logger digital power meter stop watch Hipot tester Earth resistance tester Test probes test pin test finger Force gauges	IEC 60745-1 IEC 60745-2 Series IEC 61029-1 IEC 61029-2 Series IEC 60204-1 IEC 60034-1 IEC 60034- series	Hand-held / portable / transportable motor-operated electric tools / Electrical equipment of machines	Electrical tests: 1- Power input and current 2- Heating and protection against temperature rise 3- Leakage current and electric strength 4- Leakage current and electric strength at operating temperature 5- Abnormal operation 6- Provision for earthing	10
مفعّل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7) Heating cabinet ball pressure aparatus glow wire tester digital caliper video measuring system stop watch heating cabinet	IEC 60745-1 IEC 60745-2 Series IEC 61029-1 IEC 61029-2 Series IEC 60204-1 IEC 60034-1 IEC 60034- series IEC 60529	Hand-held / portable / transportable motor-operated electric tools / Electrical equipment of machines	Environmental tests: 1- Resistance to solid and foreign object , Moisture resistance (including IP Test) 2- Resistance to heat and fire , Flame retardation 3- Resistance to rusting	11
مفعّل	Test probes Impact Hammers Digital Caliper test probes force gauges tumbling barrel length meter micro-meter torque screw driver Digital caliper	IEC 60745-1 IEC 60745-2 Series IEC 61029-1 IEC 61029-2 Series IEC 60204-1 IEC 60034-1 IEC 60034- series	Hand-held / portable / transportable motor-operated electric tools / Electrical equipment of machines	Mechanical Test: 1- Mechanical hazards 2- Mechanical strength 3- Terminals for external conductors 4- Screws and connections 5- Supply connection and external flexible cords	12



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	Manual testing hipot tester video measuring system cord anchorage tester force gauge				
مفعّل	Stop watch Clearance and creepage gauge digital caliper video measuring system	SASO-IEC-62368-1 IEC 60950-1 IEC 60065 IEC 62040-1	IT Equipment / Audio and Video / Network Equipment and similar devices	Performance and Visual Test : 1- Marking and instructions 2- Clearances , creepage distances and solid insulation 3- Protection against access to live parts	13
مفعّل	power meter Digital multi-tester thermometer thermal gun temperature data logger thermal cabinet HiPOT tester including insulation resistance tester Test probes test pin test finger Force gauges	SASO-IEC-62368-1 IEC 60950-1 IEC 60065 IEC 62040-1 IEC 62087	IT Equipment / Audio and Video / Network Equipment and similar devices	Electrical tests: 1- Power /Power Consumption 2- Heating and protection against temperature rise 3- Insulation Resistance and electric strength test	14
مفعّل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7)	SASO-IEC-62368-1 IEC 60950-1 IEC 60065 IEC 62040-1 IEC 60529	IT Equipment / Audio and Video / Network Equipment and similar devices	Environmental tests: 1- Resistance to solid and foreign object , Moisture resistance (including IP Test) 2- Resistance to heat and fire , Flame retardation 3- Resistance to rusting	15
مفعّل	Impact Hammers test probes force gauges steel ball heating cabinet	SASO-IEC-62368-1 IEC 60950-1 IEC 60065 IEC 62040-1	IT Equipment / Audio and Video / Network Equipment and similar devices	Mechanical Test: 1- Mechanical strength	16
مفعّل	Stop watch Clearance and creepage gauge	SASO 2203 BS 1363-1 BS 1363-2 IEC 60884-1 IEC 60884-2 series SASO IEC	Plug and Socket / Switch and similar switches / Extension / Cord Reel /	Performance and Visual Test	17



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	digital caliper video measuring system Clamp meter digital multi tester HiPot tester push-pull force gauge	60669-1 IEC 60669-1 IEC 60669-2 series SASO 2815 IEC 61242 IEC 60947-1 IEC 60947-2 series IEC 60947-3 series IEC 60947-4 series IEC 60947-5 series IEC 60947-6 series IEC 60947-7 series SASO IEC 60898-1 IEC 60898-2 series IEC 60934 ISO 8820-1 ISO 8820-2 series IEC 61439-1 IEC 61439-2 series IEC 61058-1 IEC 61058-2 series IEC 60309-1 IEC 60309-2 series IEC 61008-1 IEC 61009-1 IEC 61009-2 series IEC 60269-1 IEC 60269-2 series IEC 60127-1 IEC 60127-2 IEC 62020	Adaptor / Circuit Breaker / Fuses	1- Classification and Rating 2- Marking , instructions and Labelling 3- Constructions 4- Clearances , creepage distances and solid insulation 5- Accessibility of live parts	
مفعل	Temperature Rise Tester Making and Breaking system Thermometer digital Multimeter Hipot Tester Earth resistance tester Test probes test pin test finger Force gauges digital multi-tester HiPot Tester insulation resistance tester	SASO 2203 BS 1363-1 BS 1363-2 IEC 60884-1 IEC 60884-2 series SASO IEC 60669-1 IEC 60669-1 IEC 60669-2 series SASO 2815 IEC 61242 IEC 60947-1 IEC 60947-2 series IEC 60947-3 series IEC 60947-4 series IEC 60947-5 series IEC 60947-6 series IEC 60947-7 series SASO IEC 60898-1 IEC 60898-2 series IEC 60934 ISO 8820-1 ISO 8820-2 series IEC 61439-1 IEC 61439-2 series IEC 61058-1 IEC 61058-2 series IEC 60309-1 IEC 60309-2 series IEC 61008-1 IEC 61009-1 IEC 61009-2 series IEC 60269-1 IEC 60269-2 series IEC 60127-1 IEC 60127-2 IEC 62020	Plug and Socket / Switch and similar switches / Extension / Cord Reel / Adaptor / Circuit Breaker / Fuses	Electrical tests: 1- Heating and protection against temperature rise 2- Insulation resistance and electric strength test 3- Breaking Capacity and Normal Operations 4- Provision for earthing 5- Accessibilty of live parts	18
مفعل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7) heating cabinet ball pressure aparatus glow wire tester digital caliper video measuring system stop watch	SASO 2203 BS 1363-1 BS 1363-2 IEC 60884-1 IEC 60884-2 series SASO IEC 60669-1 IEC 60669-1 IEC 60669-2 series SASO 2815 IEC 61242 IEC 60947-1 IEC 60947-2 series IEC 60947-3 series IEC 60947-4 series IEC 60947-5 series IEC 60947-6 series IEC 60947-7 series SASO IEC 60898-1 IEC 60898-2 series IEC 60934 ISO 8820-1 ISO 8820-2 series IEC 61439-1 IEC 61439-2 series IEC 61058-1 IEC 61058-2 series IEC 60309-1 IEC 60309-2 series IEC 61008-1 IEC 61009-1	Plug and Socket / Switch and similar switches / Extension / Cord Reel / Adaptor / Circuit Breaker / Fuses	Environmental tests: 1- Resistance to ageing , resistance to humidity , and protection provided by enclosures (including IP Test) 2- Resistance to heat and fire , Flame retardation 3- Resistance to excessive residual stresses and to rusting	19



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	heating cabinet	IEC 61009-2 series IEC 60269-1 IEC 60269-2 series IEC 60127-1 IEC 60127-2 IEC 62020			
مفعّل	Impact Hammers Digital Caliper test probes force gauges tumbling barrel length meter pendulum impact hammer micro-meter torque screw driver Thermo meter hipot tester cord anchorage tester force gauge torque screw driver	SASO 2203 BS 1363-1 BS 1363-2 IEC 60884-1 IEC 60884-2 series SASO IEC 60669-1 IEC 60669-2 series SASO 2815 IEC 61242 IEC 60947-1 IEC 60947-2 series IEC 60947-3 series IEC 60947-4 series IEC 60947-5 series IEC 60947-6 series IEC 60947-7 series SASO IEC 60898-1 IEC 60898-2 series IEC 60934 ISO 8820-1 ISO 8820-2 series IEC 61439-1 IEC 61439-2 series IEC 61058-1 IEC 61058-2 series IEC 60309-1 IEC 60309-2 series IEC 61008-1 IEC 61009-1 IEC 61009-2 series IEC 60269-1 IEC 60269-2 series IEC 60127-1 IEC 60127-2 IEC 62020	Plug and Socket / Switch and similar switches / Extension / Cord Reel / Adaptor / Circuit Breaker / Fuses	Mechanical Test: 1- Mechanical strength 2- Terminals for external conductors 3- Screws , current carrying parts and connections 4- Connections of flexible cables and cable anchorage	20
مفعّل	Clearance and creepage gauge digital caliper video measuring system	IEC 61374-1 SASO IEC 61347-2 Series IEC 60929 IEC 60921 IEC 61558-1 IEC 60558-2 series ISO 8528-1 IEC 8528-series IEC 60923 IEC 60929 IEC 61048 IEC 60252-1 IEC 60252-2 IEC 60384-1 IEC 60384-2 series IEC 60831-1 IEC 60155 IEC 60255-1 IEC 60255-2 series IEC 61869-1 IEC 61869-2 series IEC 62052-series IEC 62053-series IEC 61810-1 IEC 61810-2 series SASO IEC 60076-1 IEC 60076-2 series IEC 61812-1 IEC 62314	LED Control Gear / Magnetic Ballast / Electronic Ballast / Safety transformer / power supply units / AC genset / Capacitor / glow starter / ignitor / Relays	Performance and Visual Test : 1- Marking 2- Clearances , creepage distances , and solid insulation	21
مفعّل	Earth resistance tester Test probes test pin test finger Force gauges HiPOT Tester Digital multi-tester thermometer thermal gun temperature data logger thermal cabinet	IEC 61374-1 SASO IEC 61347-2 Series IEC 60929 IEC 60921 IEC 61558-1 IEC 60558-2 series ISO 8528-1 IEC 8528-series IEC 60923 IEC 60929 IEC 61048 IEC 60252-1 IEC 60252-2 IEC 60384-1 IEC 60384-2 series IEC 60831-1 IEC 60155 IEC 60255-1 IEC 60255-2 series IEC 61869-1 IEC 61869-2 series IEC 62052-series IEC 62053-series IEC 61810-1 IEC 61810-2 series SASO IEC 60076-1 IEC 60076-2 series IEC 61812-1 IEC 62314	LED Control Gear / Magnetic Ballast / Electronic Ballast / Safety transformer / power supply units / AC genset / Capacitor / glow starter / ignitor / Relays	Electrical tests: 1- Thermal endurance test for windings of ballasts 2- Electric strength test 3- Provisions for protective earthing 4- Protection against accidental contact with live parts 5- Fault conditions 6- No-load output voltage	22



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
مفعّل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7) Heating cabinet ball pressure apparatus glow wire tester digital caliper video measuring system stop watch	IEC 61374-1 SASO IEC 61347-2 Series IEC 60929 IEC 60921 IEC 61558-1 IEC 60558-2 series ISO 8528-1 IEC 8528-series IEC 60923 IEC 60929 IEC 61048 IEC 60252-1 IEC 60252-2 IEC 60384-1 IEC 60384-2 series IEC 60831-1 IEC 60155 IEC 60255-1 IEC 60255-2 series IEC 61869-1 IEC 61869-2 series IEC 62052-series IEC 62053-series IEC 61810-1 IEC 61810-2 series SASO IEC 60076-1 IEC 60076-2 series IEC 61812-1 IEC 62314	LED Control Gear / Magnetic Ballast / Electronic Ballast / Safety transformer / power supply units / AC genset / Capacitor / glow starter / ignitor / Relays	Environmental tests: 1- Moisture resistance and insulation (including IP Test) 2- Resistance to heat and fire 3- Resistance to corrosion	23
مفعّل	Digital caliper micro-meter torque screw driver	IEC 61374-1 SASO IEC 61347-2 Series IEC 60929 IEC 60921 IEC 61558-1 IEC 60558-2 series ISO 8528-1 IEC 8528-series IEC 60923 IEC 60929 IEC 61048 IEC 60252-1 IEC 60252-2 IEC 60384-1 IEC 60384-2 series IEC 60831-1 IEC 60155 IEC 60255-1 IEC 60255-2 series IEC 61869-1 IEC 61869-2 series IEC 62052-series IEC 62053-series IEC 61810-1 IEC 61810-2 series SASO IEC 60076-1 IEC 60076-2 series IEC 61812-1 IEC 62314	LED Control Gear / Magnetic Ballast / Electronic Ballast / Safety transformer / power supply units / AC genset / Capacitor / glow starter / ignitor / Relays	Mechanical Test: 1- Terminals 2- Screws , current-carrying parts , and connections	24
مفعّل	Stop watch Clearance and creepage gauge digital caliper video measuring system	IEC 61730-1 IEC 61730-2 series IEC 61215 IEC 61215-2 series	Photovoltaic (PV) Module	Performance and Visual Test : 1- Marking and documentation 2- Creepage and Clearance Distances 3- Constructions and design	25
مفعّل	Test probes test pin test finger Force gauges voltage indicator digital multi-tester HiPot tester	IEC 61730-1 IEC 61730-2 series IEC 61215 IEC 61215-2 series	Photovoltaic (PV) Module	Electrical tests: 1- Protection against electric shocks 2- Electric strength	26
مفعّل	Stop watch Length meter	SASO IEC 60227-1 SASO IEC 60227-2 series IEC 60228 IEC 61156-1 IEC 61156-2 series IEC 60245-1 IEC 60245-2 series IEC 61196-1 IEC 61196-100 series SASO IEC 62680-1 IEC 6268-1 series SASO IEC	Cables	Performance and Visual Test : Classification and Marking	27



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
		62680-2 series IEC 62305-1 IEC 62305-2 series IEC 62561-1 UL 1070 EN 50575 IEC 61084-1 IEC 61084-2 series IEC 60189-1 IEC 60189-2 series IEC 62930 IEC 60502-1 IEC 60502-2 series			
مفعّل	Resistance meter micrometer video measuring system HiPot Tester Insulation Resistance tester	SASO IEC 60227-1 SASO IEC 60227-2 series IEC 60228 IEC 61156-1 IEC 61156-2 series IEC 60245-1 IEC 60245-2 seires IEC 61196-1 IEC 61196-100 series SASO IEC 62680-1 IEC 6268-1 series SASO IEC 62680-2 series IEC 62305-1 IEC 62305-2 series IEC 62561-1 UL 1070 EN 50575 IEC 61084-1 IEC 61084-2 series IEC 60189-1 IEC 60189-2 series IEC 62930 IEC 60502-1 IEC 60502-2 series	Cables	Electrical tests: 1- Electrical test /resistance 2- Electric strength test 3- Insulation Resistance test	28
مفعّل	Digital caliper video measuring system Electric Wire Flame Test Apparatus Length Meter Heating Cabinet	SASO IEC 60227-1 SASO IEC 60227-2 series IEC 60228 IEC 61156-1 IEC 61156-2 series IEC 60245-1 IEC 60245-2 seires IEC 61196-1 IEC 61196-100 series SASO IEC 62680-1 IEC 6268-1 series SASO IEC 62680-2 series IEC 62305-1 IEC 62305-2 series IEC 62561-1 UL 1070 EN 50575 IEC 61084-1 IEC 61084-2 series IEC 60189-1 IEC 60189-2 series IEC 62930 IEC 60502-1 IEC 60502-2 series	Cables	Environmental tests: 1- Insulation thickness Requirements 2- Flame Retardant Test 3- Heat Shock test	29
مفعّل	Digital Caliper Clamp meter digital multi tester HiPot tester push-pull force gauge	SASO IEC 60227-1 SASO IEC 60227-2 series IEC 60228 IEC 61156-1 IEC 61156-2 series IEC 60245-1 IEC 60245-2 seires IEC 61196-1 IEC 61196-100 series SASO IEC 62680-1 IEC 6268-1 series SASO IEC 62680-2 series IEC 62305-1 IEC 62305-2 series IEC 62561-1 UL 1070 EN 50575 IEC 61084-1 IEC 61084-2 series IEC 60189-1 IEC 60189-2 series IEC 62930 IEC 60502-1 IEC 60502-2 series	Cables	Mechanical Test: Constructions	30
مفعّل	Stop watch Digital Caliper Clamp meter digital multi tester	IEC 62115 ISO 8124-1	Electric Toys	Performance and Visual Test 1- Markings and Instructions 2- Constructions 3- Clearance and creepage distance	31



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	Clearance and creepage gauge digital caliper video measuring system				
مفعّل	Power meter Digital multi-tester thermometer thermal gun temperature data logger thermal cabinet digital multi-meter HiPot Tester	IEC 62115 ISO 8124-1	Electric Toys	Electrical tests: 1- Power Input 2- Heating and Abnormal Operations 3- Electric strength test	32
مفعّل	Heating cabinet ball pressure apparatus glow wire tester digital caliper video measuring system	IEC 62115 ISO 8124-1	Electric Toys	Environmental tests: Resistance to heat and fire	33
مفعّل	Impact Hammers Digital Caliper test probes force gauges micro-meter torque screw driver	IEC 62115 ISO 8124-1	Electric Toys	Mechanical Test: 1- Mechanical Strength 2- Screw and connections	34
مفعّل	Stop watch Length Meter Digital caliper Clamp meter digital multi tester	IEC 60670-1 IEC 60670-2 series IEC 62208 IEC 60386-1 IEC 60386-2 series IEC 60974-1 IEC 60974-2 series IEC 62134-1 IEC 61587 IEC 61537	Boxes and enclosures for electrical for household and similar fixed electrical installations	Performance and Visual Test : 1- Markings 2- Dimensions 3- Constructions	35
مفعّل	Test probes test pin test finger Force gauges digital multi-tester Earth Resistance meter HiPot Tester insulation resistance tester	IEC 60670-1 IEC 60670-2 series IEC 62208 IEC 60386-1 IEC 60386-2 series IEC 60974-1 IEC 60974-2 series IEC 62134-1 IEC 61587 IEC 61537	Boxes and enclosures for electrical for household and similar fixed electrical installations	Electrical tests: 1- Protection against electric shock 2- Provision for earthing 3- Insulation and electric strength test	36
مفعّل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7)	IEC 60670-1 IEC 60670-2 series IEC 62208 IEC 60386-1 IEC 60386-2 series IEC 60974-1 IEC 60974-2 series IEC 62134-1 IEC 61587 IEC 61537	Boxes and enclosures for electrical for household and similar fixed electrical installations	Environmental tests: 1- Resistance to solid and foreign object , Moisture resistance and against harmful	37



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	Heating cabinet ball pressure apparatus glow wire tester digital caliper video measuring system			ingress of water 2- Resistance to heat and Fire 3- Resistance to corrosion	
مفعّل	Stop watch	EN 957-1 EN 957-2 series	Stationary training equipment	Performance and Visual Test : Markings and Instructions	38
مفعّل	Digital Caliper Digital Multi Tester Test probes Power meter	EN 957-1 EN 957-2 series	Stationary training equipment	Electrical tests: Safety Requirements	39
مفعّل	digital angle gauge	EN 957-1 EN 957-2 series	Stationary training equipment	Mechanical Test: Stability Test	40
مفعّل	Stop watch Digital caliper length meter	IEC 60086-1 IEC 60086-2 IEC 60086-3 IEC 61951-1 IEC 61951-2 series IEC 61960-1 IEC 61960-2 series IEC 62133-1 IEC 62133-2 series	Batteries	Performance and Visual Test 1- Classifications and markings 2- Design , construction and dimensions	41
مفعّل	Digital Multi-Meter	IEC 60086-1 IEC 60086-2 IEC 60086-3 IEC 61951-1 IEC 61951-2 series IEC 61960-1 IEC 61960-2 series IEC 62133-1 IEC 62133-2 series	Batteries	Electrical tests: 1- Open circuit voltage test 2- Service output test	42
مفعّل	Stop watch Digital Caliper Clamp meter digital multi tester length meter Clearance and creepage gauge video measuring system	IEC 60730-1 IEC 60730-2 series IEC 61010-1 IEC 61010-2 series IEC 62080 EN 54-1 EN 54-series BS 5446-1 BS 5446- series	Automatic Controls / Equipment for measurement , control and lab use / Fire alarm and fire detection	Performance and Visual Test : 1- Classifications and markings 2- Constructions Requirements 3- Clearance and Creepage distances	43
مفعّل	Test probes test pin test finger Force gauges digital multi-tester Earth resistance meter HiPot Tester	IEC 60730-1 IEC 60730-2 series IEC 61010-1 IEC 61010-2 series IEC 62080 EN 54-1 EN 54-series BS 5446-1 BS 5446- series	Automatic Controls / Equipment for measurement , control and lab use / Fire alarm and fire detection	Electrical tests: 1- Protection against electric shocks 2- Provision for earthing 3- Electric strength and insulation resistance 4- Heating Test	44



الـحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	insulation resistance tester thermometer thermal gun temperature data logger thermal cabinet				
مفعـل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7) Heating cabinet ball pressure aparatus glow wire tester digital caliper video measuring system stop watch heating cabinet	IEC 60730-1 IEC 60730-2 series IEC 61010-1 IEC 61010-2 series IEC 62080 EN 54-1 EN 54-series BS 5446-1 BS 5446-series	Automatic Controls / Equipment for measurement , control and lab use / Fire alarm and fire detection	Environmental tests: 1- Moisture and Dust Resistance (including IP test) 2- Resistance to heat and fire 3- Resistance to corrosion	45
مفعـل	Impact Hammers Digital Caliper test probes force gauges tumbling barrel length meter Digital caliper micro-meter torque screw driver	IEC 60730-1 IEC 60730-2 series IEC 61010-1 IEC 61010-2 series IEC 62080 EN 54-1 EN 54-series BS 5446-1 BS 5446-series	Automatic Controls / Equipment for measurement , control and lab use / Fire alarm and fire detection	Mechanical Test: 1- Mechanical Strength Test 2- Terminals and terminations	46
مفعـل	Stop watch Digital Caliper Length Meter Digital Caliper Clamp meter digital multi tester length meter Clearance and creepage gauge video measuring system	IEC 60238 IEC 60400 SASO GSO IEC 61184	Lamp Holder	Performance and Visual Test 1- Markings 2- Dimensions 3- Constructions 4- Clearance and Creepage Distance	47
مفعـل	Test probes test pin test finger Force gauges digital multi-tester	IEC 60238 IEC 60400 SASO GSO IEC 61184	Lamp Holder	Electrical tests: 1- Protection against electric shocks 2- Provision for earthing 3- Switched lamp holder 4- Insulation resistance and electric	48



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	Earth resistance meter Hipot tester Heating cabinet Making and breaking system insulation resistance tester Hipot tester			strength	
مفعّل	Humidity Chamber IP tester apparatus (IPX1 , 2 , 3 , 4 , 5 , 6 and 7) Heating cabinet ball pressure aparatus glow wire tester digital caliper video measuring system stop watch heating cabinet	IEC 60238 IEC 60400 SASO GSO IEC 61184	Lamp Holder	Environmental tests: 1- Moisture resistance 2- Resistance to heat and fire 3- Resistance to rusting	49
مفعّل	Digital caliper micro-meter torque screw driver Thermo meter Impact Hammers Digital Caliper test probes force gauges length meter	IEC 60238 IEC 60400 SASO GSO IEC 61184	Lamp Holder	Mechanical Test: Mechanical Strength Terminals	50
مفعّل	Stop watch Clearance and creepage gauge digital caliper video measuring system Hipot Tester	IEC 60974-1 IEC 60974-2 series BS EN ISO 18274 ISO 544 ISO 14171	Arc Welding Equipment / Welding consumables	Performance and Visual Test 1- Markings and Instructions 2- Rating Plate 3- Clearance and Creepage Distance	51
مفعّل	Insulation resistance tester Hipot tester test probes test pin test finger Force gauges digital multi-tester Digital multi-tester	IEC 60974-1 IEC 60974-2 series BS EN ISO 18274 ISO 544 ISO 14171	Arc Welding Equipment / Welding consumables	Electrical tests: 1- Insulations Resistance test 2- Dielectric Strength Test 3- Protection Against Electric Test incase of a fault conditions (indirect contact) 4- Protection Against Electric Test in normal service (direct contact) 5- Thermal Requirements	52



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	temperature data logger thermal cabinet thermometer thermal gun data logger digital power meter stop watch			6- Abnormal Operations	
مفعّل	Digital Caliper Length meter Cord anchorage tester Impact Hammers Digital Caliper test probes force gauges	IEC 60974-1 IEC 60974-2 series BS EN ISO 18274 ISO 544 ISO 14171	Arc Welding Equipment / Welding consumables	Mechanical Test: 1- Connection to supply network 2- Mechanical provisions	53
مفعّل	stop watch Digital Caliper	SASO 2870 SASO IEC 62554 CIE 84 CIE 97 IEC 61000-3-2 CIE 15 CIE 13.3 CIE 18.2 CIE 63 IEC/TR 61341 CIE S 010 ISO 23539 IEC 62321-4 IES LM-9 IES LM-41 IES LM-10 IES LM-66 IEC 61643-11 IEC 62722-1 IEC 62722-2-1 IES LM84 IES TM28 ANSI C78.377 ISTMT IES LM80 IES TM21 IES LM-79-08 IES LM-82-12	LIGHTING PRODUCTS - PART 1	Performance and Visual Test 1- Markings and Instructions 2- Labeling	54
مفعّل	Spectrocolorimeter system Integrated Sphere power meter voltage supply AC/DC Ageing System	SASO 2870 SASO IEC 62554 CIE 84 CIE 97 IEC 61000-3-2 CIE 15 CIE 13.3 CIE 18.2 CIE 63 IEC/TR 61341 CIE S 010 ISO 23539 IEC 62321-4 IES LM-9 IES LM-41 IES LM-10 IES LM-66 IEC 61643-11 IEC 62722-1 IEC 62722-2-1 IES LM84 IES TM28 ANSI C78.377 ISTMT IES LM80 IES TM21 IES LM-79-08 IES LM-82-12	LIGHTING PRODUCTS - PART 1	Electrical tests: 1- ENERGY EFFICIENCY 2- FUNCTIONALITY testing 3- Power 4- Energy Efficiency Index EEI 5- Luminous flux 6- Color temperature 7- Efficacy	55
مفعّل	stop watch Digital Caliper	SASO 2902 SASO IEC 62554 CIE 84 CIE 97 IEC 61000-3-2 CIE 15 CIE 13.3 CIE 18.2 CIE 63 IEC/TR 61341 CIE S 010 ISO 23539 IEC 62321-4 IES LM-9 IES LM-41 IES LM-10 IES LM-66 IEC 61643-11 IEC 62722-1 IEC 62722-2-1 IES LM84 IES TM28 ANSI C78.377 ISTMT IES LM80 IES TM21 IES LM-79-08 IES LM-82-12	LIGHTING PRODUCTS - PART 2	Performance and Visual Test 1- Markings and Instructions 2- Labeling	56
مفعّل	Goniophotometer system	SASO 2902 SASO IEC 62554 CIE 84 CIE	LIGHTING PRODUCTS - PART 2	Electrical tests:	57



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
	power meter voltage supply AC/DC Ageing System	97 IEC 61000-3-2 CIE 15 CIE 13.3 CIE 18.2 CIE 63 IEC/TR 61341 CIE S 010 ISO 23539 IEC 62321-4 IES LM-9 IES LM-41 IES LM-10 IES LM-66 IEC 61643-11 IEC 62722-1 IEC 62722-2-1 IES LM84 IES TM28 ANSI C78.377 ISTMT IES LM80 IES TM21 IES LM-79-08 IES LM-82-12		1- ENERGY EFFICIENCY 2- FUNCTIONALITY testing 3- Power 4- Energy Efficiency Index EEI 5- luminous flux 6- Color temperature 7- Efficacy 8- Beam 9- CRI 10- Power factor	
مفعّل	stop watch Digital Caliper	SASO 2927 SASO IEC 62554 CIE 84 CIE 97 IEC 61000-3-2 CIE 15 CIE 13.3 CIE 18.2 CIE 63 IEC/TR 61341 CIE S 010 ISO 23539 IEC 62321-4 IES LM-9 IES LM-41 IES LM-10 IES LM-66 IEC 61643-11 IEC 62722-1 IEC 62722-2-1 IES LM84 IES TM28 ANSI C78.377 ISTMT IES LM80 IES TM21 IES LM-79-08 IES LM-82-12	LIGHTING PRODUCTS - PART 3	Performance and Visual Test 1- Markings and Instructions 2- Labeling	58
مفعّل	Goniophotometer system power meter voltage supply AC/DC Ageing System	SASO 2927 SASO IEC 62554 CIE 84 CIE 97 IEC 61000-3-2 CIE 15 CIE 13.3 CIE 18.2 CIE 63 IEC/TR 61341 CIE S 010 ISO 23539 IEC 62321-4 IES LM-9 IES LM-41 IES LM-10 IES LM-66 IEC 61643-11 IEC 62722-1 IEC 62722-2-1 IES LM84 IES TM28 ANSI C78.377 ISTMT IES LM80 IES TM21 IES LM-79-08 IES LM-82-12	LIGHTING PRODUCTS - PART 3	Electrical tests: 1- ENERGY EFFICIENCY 2- FUNCTIONALITY testing 3- Power 4- Energy Efficiency Index EEI 5- luminous flux 6- Color temperature 7- Efficacy 8- Beam 9- CRI 10- Power factor	59
مفعّل	stop watch Digital Caliper	SASO 2884 EN 50440 EN 50193-1 EN 50193-2-1 EN 50193-2-2	Storage Water Heater / Instantaneous Water heater	Performance and Visual Test 1- Markings and Instructions 2- Labeling	60
مفعّل	Water Heater Energy Efficiency System Digital Weighing scale	SASO 2884 EN 50440 EN 50193-1 EN 50193-2-1 EN 50193-2-2	Storage Water Heater / Instantaneous Water heater	Electrical tests: 1- ENERGY EFFICIENCY testing 2- Power 3- Capacity 4- Mixed quantity of water V40 5- Annual Energy Consumption AEC	61



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
مفعل	stop watch Digital Caliper	SASO 2892 SASO IEC 62552 IEC 62552-1	Refrigerators / Refrigerator-Freezers / Freezers	Performance and Visual Test 1- Markings and Instructions 2- Labeling	62
مفعل	Refrigerator Freezer Energy Efficiency System Length Meter Digital Caliper	SASO 2892 SASO IEC 62552 IEC 62552-1	Refrigerators / Refrigerator-Freezers / Freezers	Electrical tests: 1- ENERGY EFFICIENCY testing 2- Power 3- Volume 4- Energy Consumption E24h 5- Annual Energy Consumption AEC 6- Energy Efficiency Index EEI	63
مفعل	stop watch Digital Caliper	SASO 2885 EN 60456 SASO IEC 60456	Electrical Clothes Washing Machines	Performance and Visual Test 1- Markings and Instructions 2- Labeling	64
مفعل	Washing Machines Energy Efficiency System weighing scale spectrophotometer	SASO 2885 EN 60456 SASO IEC 60456	Electrical Clothes Washing Machines	Electrical tests: 1- ENERGY EFFICIENCY testing 2- Power 3- Energy Efficiency Index EEI 4- Water Consumption Index WCI 5- Water Extraction Index WEI 6- Program Time 7- Maximal Spin Speed 8- Duration of the left-on mode 9- Power consumption in left-on mode 10- Power consumption in off-mode 11- Annual Energy Consumption AEC 12- Annual Water Consumption AWC 13- Washing Efficiency lw	65
مفعل	stop watch Digital Caliper	SASO 2883 EN 61121	Electrical Clothes Dryer	Performance and Visual Test 1- Markings and Instructions 2- Labeling	66
مفعل	Clothes Dryer Energy Efficiency System weighing scale	SASO 2883 EN 61121	Electrical Clothes Dryer	Electrical tests: 1- ENERGY EFFICIENCY testing 2- Power 3- Energy Efficiency Index EEI 4- Condensation Efficiency Ct 5- Program Time 6- Duration of the left-on mode 7- Power consumption in left-on mode	67



الحالة	التقنية الجهاز المستخدم /	طريقة / العمل المواصفة	المنتج المادة /	اسم الاختبار	#
				8- Power consumption in off-mode 9- Annual Energy Consumption AEC	
مفعل	stop watch Digital Caliper	SASO 3029 EN 60436	Electrical Dishwashers	Performance and Visual Test 1- Markings and Instructions 2- Labeling	68
مفعل	Dishwasher Energy Efficiency System weighing scale thermal cabinet	SASO 3029 EN 60436	Electrical Dishwashers	Electrical tests: 1- ENERGY EFFICIENCY testing 2- Power 3- Energy Efficiency Index EEI 4- Water Consumption Index WCI 5- Eco program energy consumption (EPEC) 6- Eco program water consumption (EPWC) 7- Cleaning index (IC) 8- Drying index (ID) 9- Duration of the eco program (Tt) 10- Power consumption in left-on mode 11- Power consumption in off-mode 12- Power consumption delay start (Psm) 13- Annual Energy Consumption AEC 14- Annual Water Consumption AWC	69
مفعل	stop watch Digital Caliper	EN 50564 EN 50643	Clothes dryers / Dishwasher / Washing machines / Microwave ovens / Electric ovens / Television and electronic display	Performance and Visual Test 1- Markings and Technical Documentation	70
مفعل	Power meter Anemometer Lux Meter Power Meter	EN 50564 EN 50643	Clothes dryers / Dishwasher / Washing machines / Microwave ovens / Electric ovens / Television and electronic display	Electrical tests: 1- Power consumption in standby mode 2- Power consumption in off mode 3- Power consumption delay start (Psm)	71

