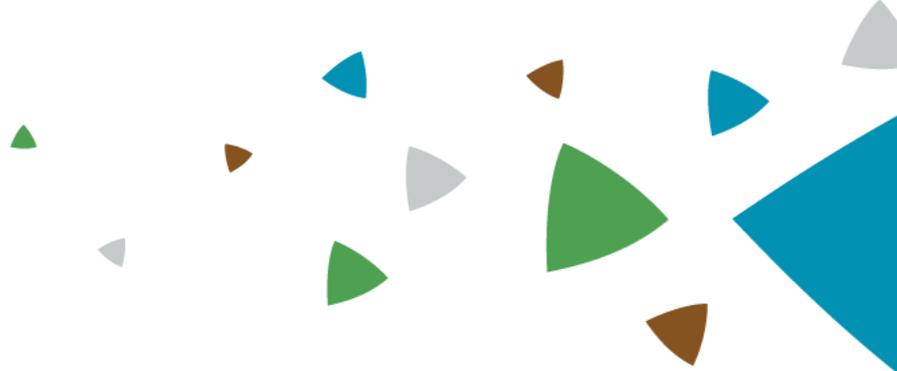




المواصفات السعودية  
Saudi Standards

**Technical Regulation for Restriction of Hazardous  
Substances in Electrical and Electronic Appliances  
and Equipment Guideline**



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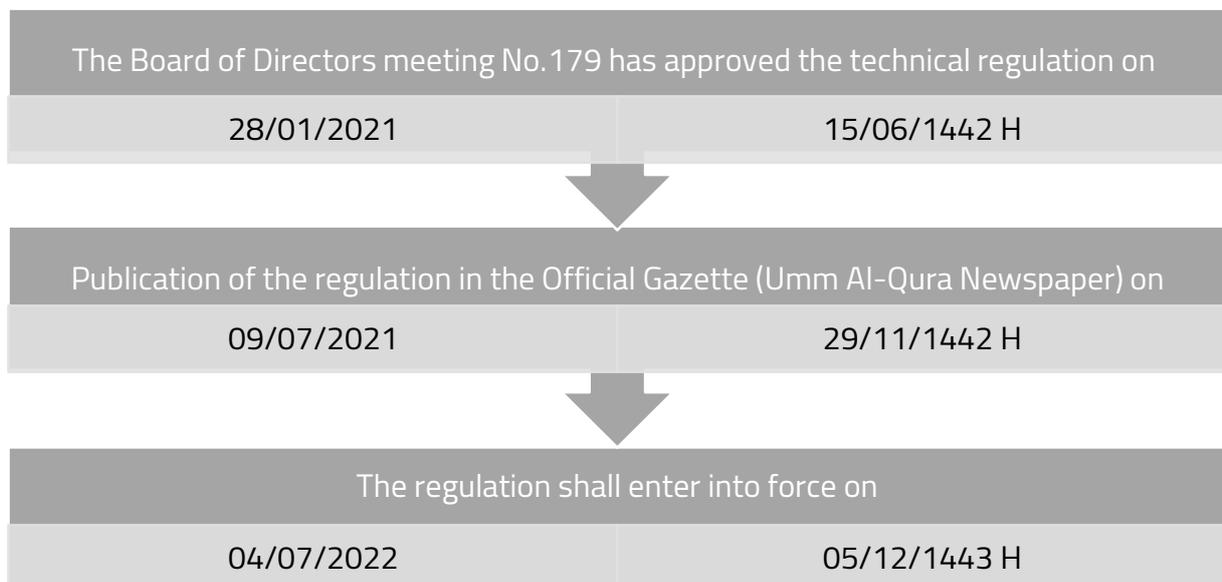
## Preamble

The Board of Directors of the Saudi Standards, Metrology and Quality Organization has approved the technical regulation for the restriction of hazardous substances in electrical and electronic appliances and equipment. It is one of the technical regulations targeted within the plan of the Saudi Program for Product Safety, which aims to protect the health and safety of consumer and preserve the environment by ensuring products placed on the market are in conformity with the requirements of the technical regulations and its standards.

The technical regulations specify the conformity assessment procedures for the products covered in the scope of the regulation to ensure that the accredited conformity assessment bodies meet with the requirements of the technical and administrative regulations. In addition, they specify the role of the supervisory authorities in obligating local suppliers and manufacturers to apply these technical regulations before placing their products in the Saudi market.

The effectiveness of the technical regulations is related to the extent of the clarity of the technical and administrative requirements contained therein for the authorities concerned with their application. Therefore, SASO issued this guideline to clarify and detail the provisions of the regulation, which is the main reference for this guide.

## Timeline of the Technical Regulation for Restriction of Hazardous Substances in Electrical and Electronic appliances and Equipment Guideline:



## Terms and Definitions:

**Technical Regulation:** A document approved by the Board of Directors that provides, the specifications of products, associated processes and production methods, including applicable administrative provisions; with which compliance is mandatory. It may include or pay attention to terms, definitions, packaging, and requirements of marking or labelling products, services, processes or production methods.

**Standard:** A document approved by the Board of Directors that provides, for regular and recurring use, non-mandatory rules, instructions, and specifications of products or processes and production methods. It may include or pay attention to terms, definitions, packaging, and requirements of marking or labelling products, services, processes or production methods.

**Electrical and Electronic Appliances, Equipment and Tools:** appliances, equipment and tools operate using electric currents or electromagnetic fields and these devices work for the production, transmission and measurement of such currents and fields, designed for use with voltages not exceeding 1000 volts for alternating current (AC) and 1500 volts for direct current (DC).

**Large stationary industrial tools and equipment:** A large group of machines, equipment and/or components that is working together for a particular application and permanently installed to disassemble by professionals in an appropriate location. In addition, it is used and maintained by professionals in an industrial manufacturing center or in a research and development organization.

**Fixed large devices:** A large-volume set of several types of appliances, assembled and installed by professionals for permanent use in a pre-determined, designated location, and dismantled by professionals.

**Cables:** All cables with a nominal voltage, which less than 250 volts, have a connection or a function for connecting electrical and electronic equipment, or for connecting two or more electrical and electronic appliances to each other.

**Homogeneous substance:** a substance of uniform contents in its entirety, or a substance consisting of a mixture of substances that cannot be broken down or separated into different substances by mechanical actions such as loosening, cutting, crushing, grinding, or scraping operations.

**Hazardous substances in electrical appliances:** There are some chemicals used in some electrical and electronic appliances, and their hazard lies in being either radioactive or scattered during use, which may cause harm to the health of the consumer and the environment.

**Industrial Control and Monitoring Instruments:** Controlling and monitoring tools are designed exclusively for industrial or professional purposes.

### Scope of the Technical Regulation for Restriction of Hazardous Substances in Electrical and Electronic Appliances and Equipment

This regulation applies to all electrical and electronic appliances, equipment and their spare parts for the following categories:

Item No	Product category name	Guiding pictures
1-A	Small Electrical Household Appliances	
1-B	Large Electrical Household Appliances	

2	Telecommunication and Information Technology Equipment	
3	Lighting Equipment	
4	Electrical and Electronic Tools and Equipment	
5	Toys, Entertainment Devices and Tools, and Sports Equipment	
6	Tools for Monitor, Measurement and Control	

**Note:** Appendix A is only a guide and does not include fully restricted products, so products not listed do not necessarily fall outside the scope of the regulation.

### Products Parts and Components:

Components and parts supplied/ incorporated into final electrical and electronic equipment products shall comply with the requirements of the Technical Regulation, and do not require a separate Certificate of Conformity (COC). This includes electrical or electronic parts and components and other non-electrical or electronic parts such as plastic cases, mounting plates, fasteners, screws, and other attachments.

## Consumables:

Consumables that fall within the definition of electrical and electronic equipment that are within the scope of the regulation. For example, toner cartridges that contain electronic chips must comply with the requirements of the technical regulation and do not need a certificate of conformity.

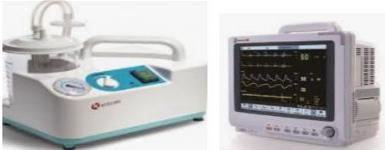
## Spare Parts:

Means a separate part of an electrical or electronic appliance that can replace another part of an electrical or electronic appliance, whereas the electrical or electronic appliance cannot function as intended without this part and the functionality of the electrical or electronic device is restored or upgraded when the part is replaced by another spare part.

Spare parts placed on the market separately for repair services or upgrading electrical and electronic equipment are exempted from certificates of conformity if the targeted electrical and electronic equipment has a certificate of conformity and it is sufficient to submit a risk assessment document, in accordance with the international standard IEC63000.

## Exempted Products from the Application of the Technical Regulation for Restriction of Hazardous Substances in Electrical and Electronic Appliances and Equipment:

The following equipment and appliances are exempted from the application of the Technical Regulation for the Restriction of Hazardous Substances in Electrical and Electronic Appliances and Equipment requirements, as shown in the table below:

Product category name	Guiding pictures
Medical devices	

Weapons and Military Equipment	
Equipment designed to be sent into space	
Large-scale stationary industrial tools (LSSIT)	
Large Scale Fixed Installations (LSFI)	
Means of Transporting for people or goods	
Batteries and accumulators	

## Definitions of Exempted Products from the Application of the Technical Regulation for Restriction of Hazardous Substances in Electrical and Electronic Appliances and Equipment :

### Means of Transporting for people or goods:

Means of Transportation for private and commercial use are outside the scope of this regulation (cars, buses, commercial vehicles, trains, boats, bicycles, whether with a combustion engine, electric motor or no engine at all).

### The Battery:

A cell, or more, connected electrically and packed in a housing fitted with (Terminals), where electric power is obtained through direct transformation of chemical power into a direct electric current (DC). Batteries are coded as per voltage; marked as (U) and measured with (V); and capacity, marked as (C) and measured with (Ah).

### The Cell:

The basic functional unit, consisting of electrodes and containers assembly in addition to terminals and separators assembly, which is considered the source of electric power obtained by direct transformation of chemical power.

**Electric Accumulators:**

It is a rechargeable battery.

**Note:** This regulation does not apply to batteries and accumulators used in electrical and electronic equipment, nor to batteries and accumulators that are separately placed on the market, as they are included in the Technical Regulation for Electric Batteries.

**In addition to the above, it does not include within the scope of the Technical Regulation for Restriction of Hazardous Substances in Electrical and Electronic Appliances and Equipment technical regulation the following:**

- **Equipment** which, specially designed and installed, is part of another type of equipment/appliance which is exempted from the scope of this regulation, and which can only perform its function if it is part of such equipment also counted outside the scope of application of the regulation.
- The designed equipment to be specially installed with another piece of equipment/appliances, which is itself exempted from the scope of this regulation, is also counted outside of the technical regulation.



### Dates of the Mandatory Application for Product Categories Covered by the Scope of Technical Regulation:

The application of the Technical Regulation for Restriction of Hazardous Substances in Electrical and Electronic Equipment – which contents can be view in [Arabic](#) and in [English](#) to ensure the safety of products from hazardous chemicals that may affect the health and safety of consumer and environment during their manufacture or disposal. Therefore, fulfilling the requirements of the regulation and standards is a prerequisite before displaying the products which covered by the regulation in the Kingdom's markets. In order to ensure the application of the requirements of the regulation and to reach the goal of its issuance by importing and manufacturing safe and healthy products for the consumer; the table below shows the dates of the gradual mandatory application of the categories of products covered by the scope of the regulation.

Category	dates of the mandatory application for product category in scope of technical regulation	
	1-A Small Electrical Household Appliances	12/05/1443 AH
1-B Large Electrical Household Appliances	03/06/1444 AH	02/10/2022 G
2-Telecommunication & Information Technology Equipment	06/07/1444 AH	31/12/2022 G

3- Lighting Equipment	09/09/1444 AH	31/03/2023 G
4-Electrical and Electronic Tools and Equipment	12/11/1444 AH	29/06/2023 G
5- Toys, Entertainment Devices and Tools, and Sports Equipment	03/21/1445 AH	27/09/2023 G
6- Tools for Monitor, Measurement and Control	06/13/1445 AH	26/12/2023 G

**Appendix (A) Products Covered in the Scope of Technical Regulation and HS codes:**

**Category 1-A Household Appliances –Small Appliances:**

**Description:** This category includes all small household appliances that fall under the definition of electrical and electronic equipment (EEE).

Non-household Appliances with source of danger to the public are included in this type **1-A**, such as appliances intended for use by the public in shops, light industries and farms, should be included in this category.

Gas and electric appliances should be included when they have electrical connections for either primary or secondary functions (ex: clock, ignition, etc.).

**The regulation will be applied to products subject to category 1-A from 05/12/1443AH corresponding to 04/07/2022 G**

**Class No.1- Household Appliances: (small household appliances-1A).**

Category number	Product Category Name	Products in scope	Guiding pictures	HS Code
1-A	Small Household Appliances	-Ice cream maker - Yogurt maker		841869200000 841869500000
		-Pressure cookers		841981000002 841989000000
		-Equipment used in sewing, knitting, weaving and other textile processing operations		845210000000 845221000000 845229000000
		-Other cleaning devices		848630100002
		-Vacuum cleaners		850811000000 850819100000 850819900000 850860000000
		-Food processing machines -Electric knives -Other kitchen machines -Juicer -Blender		850940000001 850940000002 850940000003 850940000004 850980100001 850980100002 850980300000 850980900002

		-Floor treatment machines and wet scrubbers - Grinders		
		-Irons and other appliances for ironing, coloring and other garment care		851640000000
		-Toasters Fryers Frying pans - Kettles, -Coffee and Tea Makers		851672000000 851660000003 851679900002 851671000000
		-Steam baths hand and face dryer - other household appliances for hair, nails, skin, body care and body massage		851679900003 851633000000 851632000000 851640000000 851631000000
		-Clocks and watches, devices to measure, indicate or record time		851762900003 851762900005

### Category 1-B Household Appliances –Large Appliance:

**Description:** This category includes all large household appliances and devices that fall under the definition of electrical and electronic equipment (EEE).

- Appliances non-household with source of danger to the public are included in this type 1-B, such as appliances intended for use by the public in shops, light industries and farms, should be included in this category.

- Gas and electric appliances should be included when they have electrical connections for either primary or secondary functions (ex: clock, ignition, etc.).

**The regulation will be applied to products subject to Category 1-B from 03/06/1444 AH corresponding to 02/10/2022 G.**

**Class No.1- Household Appliances: (Large household appliances-1B).**

Category number	Product Category Name	Products in scope	Guiding pictures	HS Code
1-B	Large Household Appliances	-Oven hoods		841459009999
		-Fans		841451100001 841451100002 841451100003 841451100004 841451100005 841451109999
		-Air conditioners		847960000000 841510100001 841510109999 841510200001
		-Refrigerator		841810000000 841821000000 841829000000
		-Freezers		841830000000 841840000000

		-Appliances used for cooling, preserving and storing food		84185000001 84185000002 84185000003 84185000004 84185000005 84185000006 84185000007 84185000008 84185000999
		-Microwaves		841981000003
		-Dishwashers		842211000000 842219000000 842220000000
		-Washing machines		845011000000 845012000000 845019000000 845020000001 845020000002
		-Household appliances for treating (washing, ironing, drying and cleaning) clothes		845121000000 845129000001 845129000002 845130000000 845180000000 845140000000
		Dehumidifiers		847989400001 847989400002

		<p>-Stoves, ovens, electric hot plates</p> 	<p>85166000001 85166000002 85166000004 85168000000 85166000006</p>
		<p>-Heating devices</p> 	<p>851629100000 851629900000 851621000000</p>
		<p>-Electric incense burners</p> 	<p>851679200000</p>
		<p>-Water heaters, boilers and other sanitary appliances</p> 	<p>851610100001 851610100002 851610100003 851610200001 851610200002 851610200003</p>

## Category 2 Telecommunication & Information Technology Equipment:

**Description:** This category includes all electrical and electronic equipment in the scope of information and communication technology, business and office equipment. It also includes audio and video equipment.

The regulation will be applied to products subject to Category 2 from 06/07/1444 AH corresponding to 31/12/2022 G.

### Class No.2 Telecommunication & Information Technology Equipment.

Category number	Product Category Name	Products in scope	Guiding pictures	HS Code
2	Telecommunication & Information Technology Equipment	-Facsimile - Telex	 	844332100000 844332200000
		-Computers -Calculators, desktops and printer units	    	847010000000 847021000000 844332909999 847030000000 847010000000
		Computers	 	847130000001 847130000002 847130000003
		- Data processing equipment and associated equipment	 	847130009999 847141000000
		Other IT equipment	 	847180000000 847170000000

		- Electrical & Electronic Retail Equipment		847290800000
		-Postal equipment		847230000001 847230000002 847230000003 847230000004 847230000005 847230000006 847230000007 847230000008
		-Data Network Equipment (Wi-Fi)		852871200000 851762200002 851762200003
		-Telecom network infrastructure equipment		851761000000 851762200004 851762200005
		-Cordless phone -Cell phones		851718000001 851711000000 851718000002 851712009999 851712000001
		-Amplifiers		851821000000 851822000000 851840100000
		-Video cameras, video recorders		852580109999 852580200000 852580910000 852580200000

		-Other products or equipment Record or reproduce sound or images		852721000000 852799000000
		-Products and other equipment for collecting, storing, processing, displaying, or transmitting information By electronic means, stations and user systems		852862000000
		-TV		851762900006 852842000000 852872200000 852872900000
		-Radio		852990100001

## Category 3 Lighting Equipment:

**Description:** This category includes all electrical and electronic equipment intended for lighting purposes, including luminaires, lamps, controllers, lamp holders and other electrical and electronic equipment intended for lighting for home and commercial/professional use.

**The regulation will be applied to products subject to Category 3 from 09/09/1444 AH corresponding to 31/03/2023 G**

### Class No.3- Lighting Equipment

Category number	Product Category Name	Products in scope	Guiding pictures	HS Code
3	Lighting Equipment	- Light sources other than incandescent lamps		847529000004 847529000003
		-Tools protection increasing current		853650900005
		-High intensity discharge lamps, including sodium lamps metal discharge lamps High pressure		853932000002 853932000003

		sodium lamps		
		-LED types		85391000000 85395000001
		-Starting devices		85399000001
		-Control gears for fluorescent lamps -Ballasts for fluorescent lamps		85393100003 85393100004
		-Discharge lamp control equipment		85399000001 85399000002 853990009999
		-Fixed lanterns -recessed lanterns ground recessed lanterns		94051000001 94051000002
		-Floodlights and flashlights		940540100004 940599000004 940520000003 940540900013 940540100001 940540109999

				
		<p>-Cold cathode emitting air conditioning units (neon tubes)</p> <p>Lighting equipment in the form of ropes</p>		940530000000
		<p>Lighting - and TV and movie studios (indoor and outdoor)</p>		940540109999
		<p>Emergency lighting</p>		940540900016
		<p>Other luminaires</p>		940540900003
		<p>-linear fluorescent lamps and compact</p>		940540100002

		fluorescent lamps		
		-Emergency lighting and control equipment		940540900016
		-Other headlight control equipment		940599000010
		-Lamp holders and similar equipment		940599000010 940599000009 940599000002
		- Electricity supply path systems for lamps		940599000012

## Category 4 Electrical and Electronic Equipment and Tools:

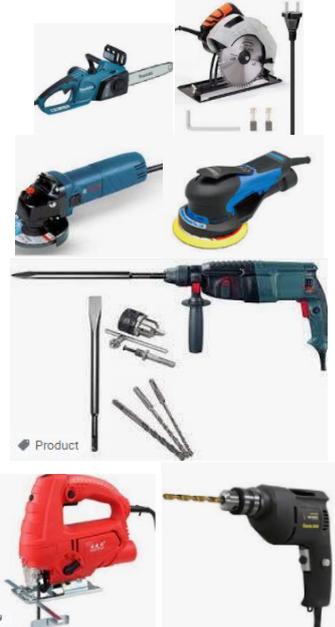
**Description:** This category includes all electrical and electronic tools, equipment and machinery not specifically included in other classes including appliances and equipment for commercial and professional use.

**The regulation will be applied to products subject to Category 4 from 12/11/1444 AH corresponding to 29/06/2023 G.**

**Class No.4- Electrical and electronic equipment and tools:**

Category number	Product Category Name	Products in scope	Guiding pictures	HS Code
4	Electrical and electronic equipment and tools	Circuit breakers, RCCBs, RCBOs -Stun protection devices Fuse holders and fuses		820551000001 853530000001 853540000001 853540000002 853540000003 853610000000 853620000000 853630000000
		Steam boilers or other steam generating boilers		840510000000
		Nibbling machines -Fastening and threading equipment -blenders		842220000000

		-skimming machines -routers -Equipment for cleaning		
		Equipment that used for spraying, dispersing or spreading liquid or gaseous substances		842420100000 842430000000 842441100000
		Turning, milling, sanding and sawing equipment		843143100000 843210000000 843221000000 843231000001
		Grass shaping and cutting equipment		843320000000 843320000000 843340000000 843353000000 843359000000 843360009999
		Operating tools		845221000000
		Automatic device for Ossining, honing,		846039000000 846031000000

		smoothing or sanding		
		<ul style="list-style-type: none"> <li>- Drill bits</li> <li>-Saws</li> <li>-Mills</li> <li>-Polishes</li> <li>Smoothing Machines</li> <li>- Hammers</li> </ul>		<p>846719400000</p> <p>846781000000</p> <p>846791000000</p> <p>846719400000</p> <p>846722000000</p> <p>846719300000</p> <p>846719500000</p> <p>846719100001</p>
		Mechanized tools for wiping, leveling, slitting, broaching, cutting, sharpening, or preparing gear teeth.		<p>846719100001</p> <p>846719100002</p> <p>846719100003</p>
		<ul style="list-style-type: none"> <li>-Welding machines and equipment</li> <li>- brazing or welding</li> </ul>		<p>846880000000</p> <p>846810000000</p>

		<p>- Automation Controls</p> <p>- Programming and debugging tools</p> <p>- Monitors</p> <p>- Digital, analog and remote input/output units</p>		<p>84715000000</p> <p>84718000000</p> <p>84715000000</p>
		<p>- Electrical resistors - thermostats</p> <p>Capacitors</p>		<p>853310000000</p> <p>853321000000</p> <p>853340000001</p> <p>853340000002</p> <p>853340009999</p>
		<p>- Electrical supply cables, cable reels and wire assemblies</p>		<p>853690100000</p>
		<p>- Low Voltage Switchgear and Controller</p>		<p>853650200000</p> <p>853650100000</p>
		<p>- Electronic switches and relays</p>		<p>853641000000</p> <p>853649000000</p>
		<p>- Conductors</p>		<p>853690100000</p>

		-Terminal blocks		853670000001 853670000002 853670000003
		-Plugs and adaptors		853669200002
		-Couplers Wire sets		853690910000
		-Insulated wires including enameled or anodized wires		854442110000 854442210000 854442290000 854442910000

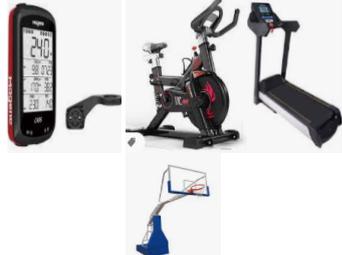
### Category 5 Toys, Entertainment Devices and Tools, and Sports Equipment:

**Description:** This category includes all electrical and electronic equipment intended for use as a toy or game machine or for sport training, or simulation use.

**The regulation will be applied to products subject to Category 5 from 03/21/1445 AH corresponding to 27/09/2023 G.**

#### Class No.5- Toys, Entertainment Devices and Tools, and Sports Equipment:

Category number	Product Category Name	Products in scope	Guiding pictures	HS Code
5	Toys, Entertainment	-Talking dolls		950300200000
	Devices and Tools, and Sports Equipment	-Electric trains or motor racing sets		950300909999

		<p>- Handheld video game consoles</p> <p>-Video games and similar handheld devices</p>		<p>950450000001</p> <p>950450000002</p> <p>950450000003</p>
		<p>-Other electronic toys</p> <p>(Example: toy microphone)</p>		<p>950450000002</p>
		<p>- Sports and exercise equipment</p>		<p>950691000008</p> <p>950691009999</p> <p>950691000011</p>

### Category 6 Tools for Monitor, Measurement and Control:

**Description:** This category includes all electrical and electronic equipment used for monitoring, measurement and control, including industrial monitoring and control devices and laboratory instruments.

- Gas and electrical equipment should be included when electrical connections are for either primary or secondary functions (ex: clock, ignition, etc.).

**The regulation will be applied to products subject to Category 6 from 06/13/1445 AH corresponding to 26/12/2023 G.**

**Class No.6- Tools for Monitor, Measurement and Control:**

Category number	Product Category Name	Products in scope	Guiding pictures	HS Code
6	Tools for Monitor, Measurement and Control	-Fire Detectors - Smoke Detectors and Other Security Detectors		813001000003
		-Vacuum pumps		841311000001
		-Ovens		851430000001 851430000002 851440000000 851430009999
		-Other laboratory equipment for temperature control, heating, and cooling		853710000006 853720000006
		-Energy and electricity meters		902830000000
		-Other monitoring and control tools (for example, in control panels)		902810000000 902820100000 902820900000 902610000001 902620000000

		-Other measuring or testing instruments for home and laboratory use.		903031000000 903040000002 903032000000 903040000004 903082000000
		-Regulators -Thermostat		903210000000 903220000000

\* **Note:** Only products that fall within the definition of electrical and electronic equipment are considered within the scope of the regulation, which means that products that fall under any HS code but do not include any electrical parts are outside the scope of the regulation, and the HS codes on Saber electronic platform are considered as updated and approved.



**The Restricted Substances and the Maximum Permissible Concentration Values by Weight in Homogeneous Substances are Mentioned in Appendix 1-B of the Regulation:**

Types of Hazardous Substances in Electrical and Electronic Products in Arabic	Hazardous Substances categories in English	Maximum Allowable Limits
الرصاص (Pb)	Lead	(0.1%)
الزئبق (Hg)	Mercury	(0.1%)
الكاديوم (Cd)	Cadmium	(0.01%)
الكروم سداسي التكافؤ (6+Cr)	Hexavalent chromium	(0.1%)
ثنائي الفينيل متعدد البروم (PBB)	Polybrominated biphenyls	(0.1%)
إيثرات ثنائي الفينيل متعدد البروم (PBDE)	Polybrominated biphenyls ethers	(0.1%)

Table: List of Prohibited Substances and Maximum Concentration Values.

### Examples of Homogeneous Substances:

- Materials include a plastic cover to a computer screen, a copper wire inside a cable, and the solder part of a solder joint.

- All electrical and electronic equipment have many different homogeneous materials and the maximum concentration values should apply to each of the homogeneous materials.
- Any samples taken should shall not contain any restricted substances more than maximum concentrations unless there is an applicable exemption. Care and Risk considerations shall be taken when preparing samples for conformity assessment purposes to assure individual homogeneous materials are adequately separated where homogenizing samples may dilute the presence of the restricted substances for the test method applied

### **Metrological Requirements :**

International system of units (SI Units), multiples or parts thereof shall be used during design, manufacturing or trading.

### **Substances Exempted from the Application of Hazardous Materials Restrictions:**

Appendix (B: List of Substances exempted from the application of hazardous Substance Restrictions)

<b>Serial Number</b>	<b>Exempted Items</b>
1	Mercury in single -capped fluorescent lamps (compact) with or without an integrated ballast not exceeding (per burner):
1-a	For general lighting purposes $\geq 30$ W and $< 150$ W: 5 mg
1-b	For general lighting purposes $< 30$ W : 2.5mg
1-c	For general lighting purposes $< 30$ W with long life ( $> 15,000$ hours): 3.5 mg
1-d	For general lighting purposes with circular or square

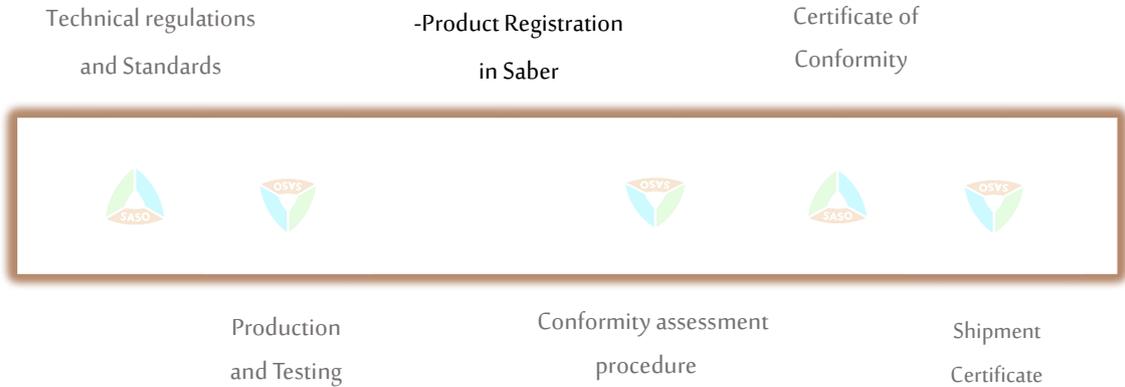
Serial Number	Exempted Items
	structural shape and tube diameter $\leq 17$ mm:7mg
2	Mercury in double-capped linear fluorescent lamps without an integrated ballast for  general lighting purposes not exceeding (per lamp):
2-a	Tri-band phosphor with normal lifetime and a tube diameter  < 9 mm (e.g. T2): 5 mg
2-b	Tri-band phosphor with normal lifetime and a tube diameter $\geq 9$ mm and $\leq 17$ mm (e.g. T5): 5 mg
2-c	Tri-band phosphor with normal lifetime and a tube diameter  > 17 mm and $\leq 28$ mm (e.g. T8): 8 mg
2-d	Tri-band phosphor with normal lifetime and a tube diameter  > 28 mm (e.g. T12): 5 mg
2-e	Tri-band phosphor with long lifetime ( $\geq 15\ 000$ h) and T8 halophosphate: 8 mg
3	Mercury in other fluorescent lamps without an integrated ballast not exceeding (per  lamp):
3-a	Non-linear halophosphate lamps (all diameters): 15 mg
3-b	Non-linear tri-band phosphor lamps with tube diameter  > 17 mm (e.g. T9) :15mg
3-c	Lamps for other general lighting and special purposes (e.g.  induction lamps) :15mg

Serial Number	Exempted Items
3-d	T12 linear halophosphate lamps: 10 mg
4	Mercury in other low pressure discharge lamps (per lamp): 15mg
5	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60:
5-a	P ≤ 155 W:30mg
5-b	150 W < P ≤ 405 W : 40 mg
5-c	P > 405 W: 40 mg
6	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):
6-a	P ≤ 155 W: 25mg
6-b	150 W < P ≤ 405 W : 30mg
6-c	P > 405 W: 40 mg
7-a	Mercury in High Pressure Mercury (vapour) lamps (HPMV)
7-b	Mercury in metal halide lamps (MH)
7-c	Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex
8-a	Lead in glass of cathode ray tubes
8-b	Lead in glass of fluorescent tubes not exceeding 0,2 % by weight
9-a	Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight

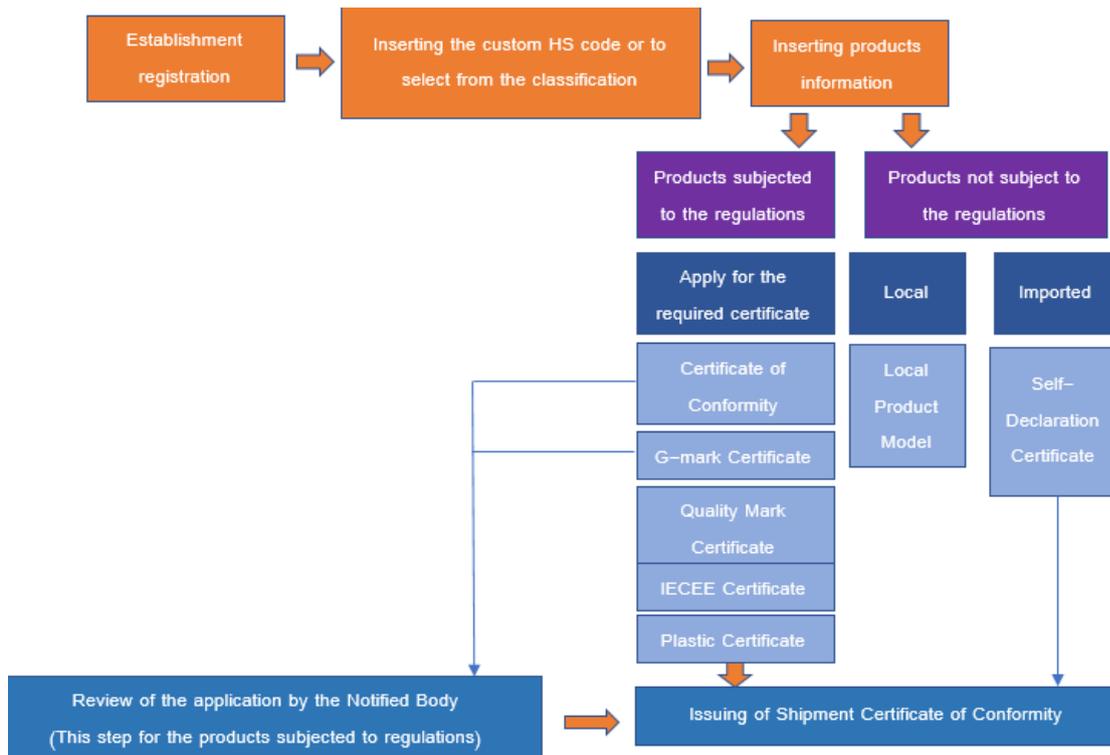
Serial Number	Exempted Items
9-b	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight
9-c	Copper alloy containing up to 4 % lead by weight
10-a	Lead in high melting temperature type solders (i.e. leadbased alloys containing 85 % by weight or more lead)
10-b	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission, and network management for telecommunications
10-c	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
10-d	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher
11	Cadmium and its compounds in electrical contacts
12	Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution
13	Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications
14-a	Lead in white glasses used for optical applications
14-b	Cadmium and lead in filter glasses and glasses used for reflectance standards
15	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages
16	Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications

Serial Number	Exempted Items
17	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as lamps for diazoprinting reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as BSP (BaSi2O5:Pb)
18	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses
19	Lead in solders for the soldering to machine through hole discoidal and planar array ceramic multilayer capacitors
20	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring
21	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more
22	Lead in soldering materials in mercury free flat fluorescent lamps (which, e.g. are used for liquid crystal displays, design or industrial lighting)
23	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes
24	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers
25	Lead in cermet-based trimmer potentiometer elements
26	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body
27	Cadmium and cadmium oxide in thick film pastes used on aluminum bonded beryllium oxide

Serial Number	Exempted Items
28	Lead linked to crystal glass



### Registration in SABER platform:



-You must register as a "New User" and fill in the required data on the home page of SABER electronic platform [HERE](#)

-Activate the beneficiary's account through e-mail [HERE](#)

-Registering products by searching using customs code or product name electronically to obtain a certificate of conformity.



### Conformity Assessment Procedure:

After completing the registration of the products on Saber platform, the technical file for the requirements of this regulation will be sent according to one of the following options:

#### Conducting Conformity assessment based on testing all electrical or electronic components of the product:

- This procedure based on test results for all electrical or electronic components from certified laboratories.
- The product must have technical file that includes the following:
  - Test Reports.
  - Supplier's Conformity Declaration (Manufacturer/importer).
  - Risk assessment document.
  - Certificate of Origin.
  - List of applied standards to the product.

#### Conduct a conformity assessment by testing of at least three critical electrical or electronic components:

- This conformity assessment procedure is based on IEC 63000-risk analysis conducted by the manufacturer and test results for specified critical electronic components (at least three).

- The product must have technical regulation file that includes the following:
- Test reports
- Supplier's Conformity Declaration (manufacturer/importer)
- Certificate of Origin
- List of applied standards to the product.
- Document of risk assessment to identify at least three critical components

### Conformity Assessment procedure based on raw material:

- If the raw material is used in the manufacture of more than one component or product, it is sufficient to submit one test report for hazardous substances.

Hazardous substance tests must be performed by accredited laboratories in accordance with ISO/IEC 17025.

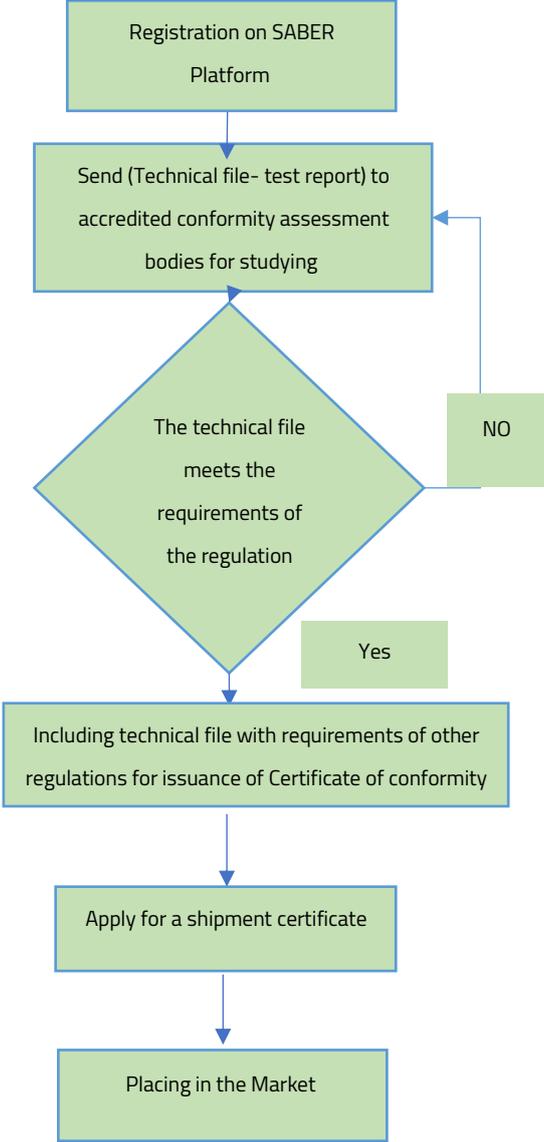
### Test report validity period:

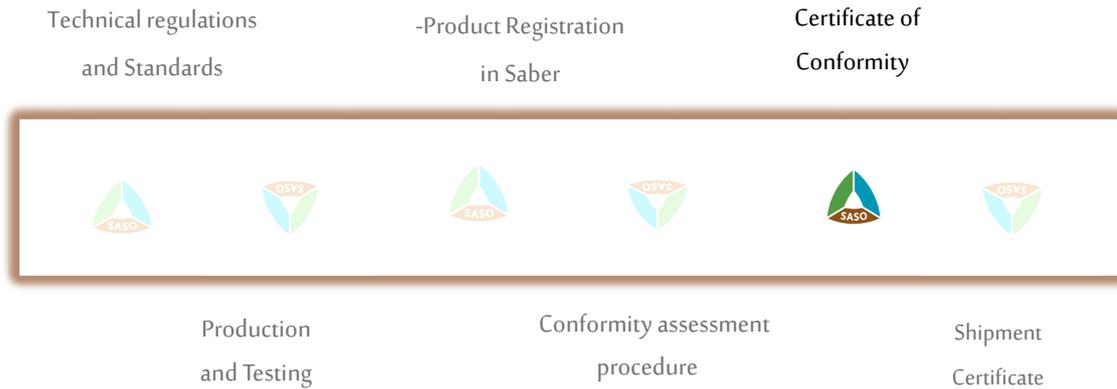
- The test report is valid unless there are changes in components that may affect conformity.
- In some circumstances, if there is a change in a component or material during the validity of the certificate, the certificate holder must ensure compliance continuity with the product, and that changes are reflected in the technical files and submitted to the accepting body during the renewal of the certificate, according to one of the scenarios below:

Scenarios	Documentation to be submitted for renewal
No changes occurred to the product components or materials	✓ Declaration attesting that the product remains unchanged in all its materials and components
Changes occurred to the product components or materials	<ul style="list-style-type: none"> <li>✓ Description of the changes</li> <li>✓ Updated risk assessment proving that new components/parts/materials are not critical or declaration attesting the same</li> </ul>

<p>Changes occurred to the product components or materials, affecting critical components</p>	<ul style="list-style-type: none"> <li>✓ Description of the changes</li> <li>✓ Updated risk assessment</li> <li>✓ Test reports for the new critical components</li> <li>✓ Updated Conformity Declaration</li> </ul>
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**Flow Chart of the Conformity Assessment Procedure**





### Certificate of Conformity (COC):

- A certificate issued by the Saudi Standards, Metrology and Quality Organization or one of its approved conformity assessment bodies confirming the conformity of the product or any batch thereof to the requirements of the technical regulation and related standard specifications.
- The products included in the scope of this regulation are also included in the scope of other regulations. Therefore, the conformity assessment body must issue a single certificate for the product, if it includes all the technical requirements contained in the regulations to which the product is subject. It is the responsibility of the accepted conformity assessment bodies to ensure that all requirements are included in the file of technical regulation. Technical for products subject to more than one technical regulation.

- The certificate is issued after the conformity assessment body confirms that the product meets all requirements according to the form shown below

شهادة مطابقة للمنتجات الخاضعة للوائح  
Certificate of conformity for regulated products



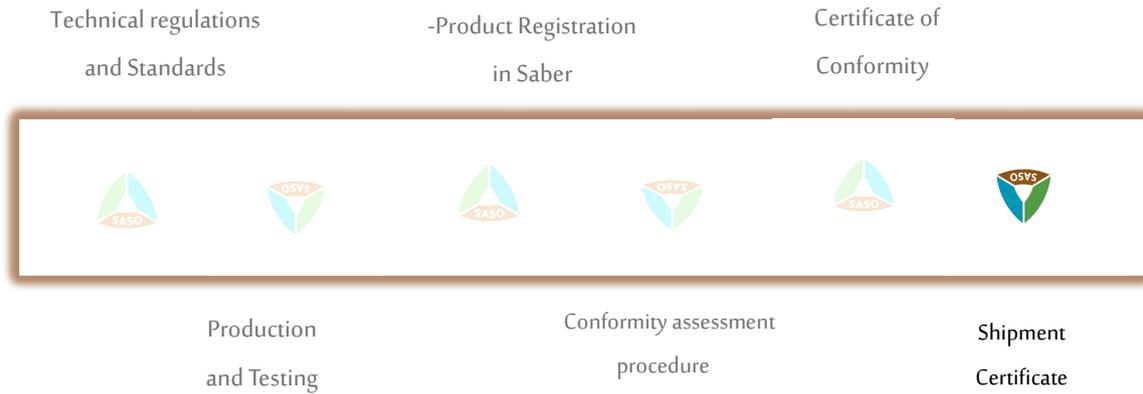
We (.....) office number (.....) are bearing full responsibility for the product described below is conforms to the Conformity assessment procedure Conduct the relevant technical regulations and standards which mentioned during this certificate.

Certificate Number	Issue Date	Expire Date
Certificate Type	Commercial Registration No.	
Establishment Address		
Product and Manufacturer Data		
Model Name	Trade Mark	
Product Name		
		
Product Description		
Country of origin		
HS Code		
Technical Regulation		
Manufacturer name		
Product test data		
Report number		
Report Date		
Decision of conformity assessment		
CB Organization Office Responsible manager signature	CB Organization Office Stamp	

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### The certificate of conformity contains the following data:

- The name of the supplier/factory.
- Certificate number, issue date and expiry date.
- Product name and numbers.
- Country of origin.
- The name of the technical regulation.
- Customs coding of the product.
- To find out more about obtaining and registering a Certificate of Conformity with Saber [HERE](#)



### Shipment Certificate of Conformity (SC):

-After the products obtain the certificate of conformity and registered on Saber platform, the shipment certificate is registered for each consignment before it is shipped and displayed in the market, by selecting the products to be imported and completing the required data.

-Invoice data (invoice date, invoice number, invoice total value, currency, supplier name and address) Product data, quantities and shipping country.

-The application is sent to the conformity assessment body to verify the accuracy of the data.

-The shipment certificate is registered and issued according to the form shown below, and means that all requirements are completed for the entrance of products that achieve health and safety for the consumer and preserve the environment.

-Learn more about registering a shipment certificate [Here](#)

شهادة مطابقة إرسالية للمنتجات المستوردة  
 Shipment Conformity certificate for imported products



نحن جهة لتويز المطابقة ( ) من شهادة مطابقة المنتج الممنوحة للمنتج سافيرا، ونتمتع بتمويل أي ملفات فنية للمنتجات نظيرها الهيئة السعودية للمواصفات والمقاييس والجودة أو من يمثلها لاحقاً، وفي حال تبين عدم صحة ذلك التحمل جميع الاعبات النظامية المترتبة على ذلك

Certificate Number		Issue Date	
Certificate Type	<b>Shipment Conformity Certificate for Imported Products</b>	Commercial Registration No.	
Establishment Address		Shipment country	
Product Certificate No.			

Product and Manufacturer Data	
Model type	Trade Mark
Product Name	
Product Description	
Country of origin	
Production Date	
HS Code	
Technical Regulation	
Manufacturer name	
Manufacturer Address	
Exporter name	Exporter Address

CI Organization Office Responsible manager signature

29/03/2020 02:41

CI Organization Office Stamp



المواصفات السعودية  
Saudi Standards

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