

## 10.6 Scope of Accreditation

Issue No: 01/ Issue Date: 28-03-2022  
File Manager: M.Alsowailem



ACCREDITED  
**TESTING**  
ISO/IEC 17025:2017  
No. ATL 0127

### Testing Laboratory Accreditation No. ATL 0127

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognised International Standard ISO/IEC 17025:2017, "General requirements for the competence of testing and calibration laboratories"

SASO Saudi Standards, Metrology and Quality Organization	
Address: Riyadh- Al Muhammadiyah - in front of King Saud University PO. B 3437 Riyadh 11471 Kingdom of Saudi Arabia	Contact Person: Mr. Ali A. AlHarbi Tel: 00966 11 2529999 Fax: 00966 11 4520193 Email: info@saso.gov.sa Web Address: www.saso.gov.sa

#### **Locations where testing activities covered by the above Accreditation Standard are undertaken**

**Location 1:** Riyadh- Al Muhammadiyah - in front of King Saud University PO. B 3437 Riyadh 11471 Kingdom of Saudi Arabia

**Location 2:** Dammam coastal- AL Khobar, King Faisal RD P.O. Box 1893 dammam 31441 K.S.A

**Location 3:** Jeddah, Al Aziziyah, As Sahafa St. P.O. Box 9485

#### **For the following scope:**

Version: 3.7

Date: 10<sup>th</sup> March 2022

Approved by: Brahim Houla

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### Scope:

#### **2. Construction Materials**

- 2.17 Bituminous materials
- 2.22 Masonry units and segmental pavers
- 2.11 Cements and cementitious materials
- 2.80 Other Materials

#### **7 Chemical Testing**

- 7.01 Metals and alloys
- 7.11 Cements, concrete and related products
- 7.14-7.17 Petroleum
- 7.26 Paints and related surface coatings
- 7.46 Textiles and related products
- 7.66 Waters

#### **13. Mechanical Testing**

- 13.26 Textiles and related products

Scope details are as follows:

Version: 3.7

Date: 10<sup>th</sup> March 2022

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**Location 1: Riyadh- Al Muhammadiyah - in front of King Saud University PO. B 3437 Riyadh 11471 Kingdom of Saudi Arabia**

### Textile Laboratory

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Chemical Textiles Testing Mechanical / Physical Textile Testing	Textiles & Textiles Accessories  Textile Materials, Fiber, Filling Fiber, Ribbon, Yarn, Fabric, Rubber or Plastics-Coated Fabrics Carpets , Knitted Fabric, Non-Woven.	Pneumatic Method for Determination of Bursting Strength and Bursting Distention	SASO ISO 13938-2/2006 ISO 13938-2/2019	
		Determination of Pilling Resistance and Other Related Surface Changes of Textile fabrics: Random Tumble Pilling Tester	ASTM D3512/2017	
		Determination of The Abrasion Resistance of Fabrics by The Martindale Method Part 2: Determination of Specimen Breakdown	SASO ISO 12947-2020 ISO 12947-2/2016	
		Determination of PH of Aqueous Extract	SASO ISO 3071/2014 ISO 3071/2020	
		Determination of Tear Force Using Ballistic Pendulum Method (Elmendorf)	SASO ISO 13937-1/2014 ISO 13937-1/2000	

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		<b>Determination of Tuft Withdrawal Force</b>	<b>SASO ISO 4919/2014 and Preparation of Sample According to ISO 1957/2000</b>	
		<b>Determination of Abrasion Resistance Part 1: Taber Abrader</b>	<b>SASO ISO 5470-1/2007 ISO 5470-1/2016</b>	
		<b>Determination of Color Fastness to Washing with Soap or Soap and Soda</b>	<b>SASO ISO 105-C10/2007 ISO 105-C10/2006</b>	
		<b>Determination of Mass per unit Length and Mass per unit Area</b>	<b>SASO ISO 3801/2001 Method 5. ISO 3801/1979 Method 5</b>	
		<b>Number of Threads per unit Length</b>	<b>SASO GSO 1269/2002</b>	
		<b>Determination of Color Fastness to Rubbing</b>	<b>SASO ISO 105-X12/2020 ISO 105-X12/2016</b>	
		<b>Determination of Maximum Force and Elongation at Maximum Force Using the Strip Method (Dry)</b>	<b>SASO ISO 13934-1/2016 ISO 13934-1/2013</b>	
		<b>Determination of Colour Fastness to Hot Pressing Hot press</b>	<b>ISO 105-X11/1994</b>	
		<b>Determination of Colour Fastness to Perpiration</b>	<b>ISO 105-E04/2013 SASO GSO 1268/2002</b>	

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Toys Laboratory				
Toys	Toys Products	Torque test	BS EN 71-1 Clause 8.3; / 2018 GSO EN 71-1 Clause 8.3; / 2021 ISO 8124-1 Clause 5.24.5 / 2018	
		Accessibility of a Part or Component	BS EN 71-1 Clause 8.10; / 2018 GSO EN 71-1 Clause 8.10; / 2021 ISO 8124-1 Clause 5.7 / 2018	
		Sharpness of Points	BS EN 71-1 Clause 8.12; / 2018 GSO EN 71-1 Clause 8.12; / 2021 ISO 8124-1 Clause 5.9 / 2018	
		Impact Test	BS EN 71-1 Clause 8.7; / 2018 GSO EN 71-1 Clause 8.7; / 2021 ISO 8124-1 Clause 5.14 / 2018	
		Sharpness of Edges	BS EN 71-1 Clause 8.11; / 2018 GSO EN 71-1 Clause 8.11; / 2021 ISO 8124-1, Clause 5.8 / 2018	
Sanitary Ware and Efficiency of Water Rationalization Laboratory				

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Sanitary Ware and Efficiency	Wash Basins	Determination of Diameter of Central Hole (d2), Bore of Waste Outlet Hole (d3), Diameter of the base for the seal between the waste outlet hole and the trap (d6) and Thickness of The Tap Platform at the Level of The Zone Concentric to The Tap Holes (s), Thickness of The Tap Platform at the Level of The Zone Concentric to The Tap Holes(s)	SASO 1024,1998 GS 1013- 1998	
	Wash Basin	Determination of Horizontal Distance Between The Centre Line of The Central Hole and The Edge of The Bowl (g1), Distance from The Centre Line of The Central Hole to The Backwall (g5), Diameter of the Waste Outlet Hole (d5), Reference Diameter (d4), Width of The Flat Plane of The Tap Platform from The Centre Line of The Central Hole to The Back Edge of The Flat Plane (g4), Height for Appliance With an Overflow (h), Vertical Distance Between the Tap Platform and The Underside of The Waste Outlet Hole (p), Radius of a Cylinder Having The Same	SASO 1024- 1998 GS 1013- 1998	

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		Centreline as The Tap Hole of a Depth 0 to 5 mm from The Lower Plane of The Tap Hole (r), Radius of a Cylinder Having the Same Centreline as the Tap Hole of a Depth of minimum 5 mm from The Lower Plane of The Tap Hole (r1), Horizontal Distance Between The Centreline of The Tap Hole and The Centreline of The Waste Outlet Hole (t), Distance Between The Reference Diameter d4 and The Base for The Seal (h1)		
<b>Construction Materials Laboratory</b>				
Mechanical / Physical Construction Materials testing	Ceramic Tiles	Determination of Dimensions (Length, Width and Thickness)	SASO ISO 10545-2 :2019; ISO 10545-2:2018(E)	
	Ceramic Tiles	Determination of Water Absorption- Vacuum Method	SASO ISO 10545-3: 2018; ISO 10545-3:2018	
	Ceramic Tiles	Determination of Resistance to Thermal Shock	SASO ISO 10545-9:2016; ISO 10545-9:2013	
	Ceramic Tiles	Determination of Resistance to Deep Abrasion for Unglazed Tiles	SASO ISO 10545-6:2014; ISO 10545-6:2010	
	Ceramic Tiles	Determination of Resistance to Surface Abrasion for Glazed Tiles	SASO ISO 10545-7:2007; ISO 10545-7:1996	
	Portland Cement	Physical Properties of Portland Cement -Softness	GSO 1915:2009(E) :	

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		(Using Air Permeability Measuring Apparatus)	SASO 142 : 2009	
	Bricks and Blocks Made from Burnt Clay	Determination of Dimensions (Length, Width and Height )	GSO 1419 Clause 2.2.12002;2002 SASO 184:2002	
	Bricks and Blocks Made from Burnt Clay	Determination of Water Absorption	GSO 1419 Clause 3: 2002 SASO 184 :2002	
	Prefabricated, Reinforced, Polymer-Modified Bituminous Sheet Materials Designed	Load Strain Properties	SASO ASTM D5147 Clause 7 :2019 ASTM D5147-18 Clause 7: 2019	
	Prefabricated, Reinforced, Polymer-Modified Bituminous Sheet Materials Designed	Dimensional Stability	SASO ASTM D5147 Clause 11: 2019 ASTM D5147 -18 Clause 11: 2019	
	Prefabricated, Reinforced, Polymer-Modified Bituminous Sheet Materials Designed	Low-Temperature Flexibility	SASO ASTM D5147 Clause 12: 2019 ASTM D5147-18 Clause 12: 2019	
	Prefabricated, Reinforced, Polymer-Modified Bituminous Sheet Materials Designed	Tear Strength	SASO ASTM D5147 Clause 8: 2019 ASTM D5147 -18 Clause 8: 2019 ASTM D4073: 2019	
	Prefabricated, Reinforced, Polymer-Modified Bituminous Sheet	Determination of Dimensions	SASO ASTM D5147, Clause 6: 2019 ASTM D5147-18, Clause 6: 2019	



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	Materials Designed			
<b>Pipes Laboratory</b>				
Pipes	Plastics Piping Systems, Plastics Components	Determination of Dimension (Outside and Wall Thickness)	SASO GSO ISO 3126; ISO 3126:2005	
	Thermoplastics Pipes	Longitudinal Reversion	SASO ISO 2505; ISO 2505:2005	
	Plastics	Determination of Oxidation Induction Time (Isothermal OIT) and Oxidation Induction Temperature (Dynamic OIT) by Differential Scanning Calorimetry (DSC)	SASO ISO 11357-6; ISO 11357-6:2008	
	Thermoplastics	Determination of The Melt Mass-Flow Rate (MFR) and of Melt Volume-Flow Rate (MVR) of Thermoplastics	SASO ISO 1133-1; ISO 1133-1:2011	
	Thermoplastics Pipes, Fittings and Assemblies for The Conveyance of Fluids	Determination of The Resistance to Internal Pressure	SASO ISO 1167-1; ISO 1167-1:2006; SASO ISO 1167-2; ISO 1167-2:2006	

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	Plastics	Determining the density of non-cellular plastics	SASO ISO 1183-1:2014 1183-1:2012	ISO	
	Plastics	Piping and ducting systems (Thermoplastics pipes) Resistance to external blows by the round the clock Method.	BS EN 744:1996		
<b>Electrical Products Safety Laboratory</b>					
Electrical Products Safety	Home Appliance	Glow Wire Test	SASO 2815 Clause 28.1.1/2021 SASO 2203 Clause 5.11/2018 SASO IEC 60695-2-11/2020 IEC 60695-2-11/2021 BS 1363-1 Clause 23/2016 BS 1363-2 Clause 23/2016		
	Home Appliances	Heat Resistance Test	SASO 2203 Clause 5.9/2018 SASO 2815 Clause 25.1/2021 BS 1363-1 Clause 22/2016 BS 1363-2 Clause 22/2016		
	Home Appliances	Stability Test	SASO GSO IEC 60335-1 Clause 20.1/2019 IEC 60335-1 Clause 20.1/2020		

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	Home Appliances	Mechanical Impact Test	SASO GSO IEC 60335-1 Clause 21.1/2019 IEC 60335-1 Clause 21.1/2020	
	Home Appliances	Power Input and Current	SASO GSO IEC 60335-1 Clause 10/2019	
	Home Appliances	Insulation Resistance Test	SASO GSO IEC 60669-1 Clause 16.1/2014 IEC 60669-1 Clause 16.1/2021	
	Home Appliances	Power Cord Flexibility Test	SASO GSO IEC 60335-1 Clause 25.14/2019 IEC 60335-1 Clause 25.14/2020	
	Home Appliances	Provision for Earthing	SASO GSO IEC 60335-1 Clause 27/2019 IEC 60335-1 Clause 27/2020	
	Home Appliances	Leakage Current at Operating Temperature	SASO GSO IEC 60335-1 Clause 13.2/2019 IEC 60335-1 Clause 13.2/2020	
	Home Appliances	Electric Strength at Operating Temperature	SASO GSO IEC 60335-1 Clause 13.3/2019 IEC 60335-1 Clause 13.3/2020	
	Sockets	Mechanical Shock	SASO 2203 Clause 5.10/2018	
	Home Appliances	Screws and connections	SASO GSO IEC 60335-1 Clause 28.1/2019	
Energy Efficiency for Household Appliances	Window and Split Air Conditioners	Testing and Rating for Performance Non-Ducted Air Conditioners and Heat Pumps	SASO 2681/2013 ISO 5151/2017	
	Household Refrigerators, Refrigerator, and Freezer	Energy Performance, Capacity and Labeling	SASO IEC 62552 Clause 7,15/2009 IEC 62552 Clause 7,15/2009	
	Household Electrical Clothes Washing Machines	Energy Efficiency Index	SASO GSO BS EN 60456 Clause za.5.11/2015	

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			IEC 60456 Clause za.5.11/2010	
	Household Electrical Clothes Washing Machines	Washing Efficiency index	SASO GSO BS EN 60456 Clause za.5.3/2009 IEC 60456 Clause za.5.3/2010	
	Household Electrical Clothes Washing Machines	Water Extraction Index	SASO GSO BS EN 60456 Clause za.4.6/2009 IEC 60456 Clause za.4.5/2010	
	Household Electrical Clothes Washing Machines	Annual Water Consumption	SASO GSO BS EN 60456 Clause 4.8/2009 IEC 60456 Clause 4.8/2010	
	Ducted Air-Conditioners	Ducted Air-Conditioners and Air-to-Air Heat Pumps - Testing and Rating for Performance	SASO 2682/2013 ISO 13253/2017	
<b>Energy Efficiency for Lighting and Water Heaters Laboratory</b>				
Lighting Appliances	Bulbs	Torque Measuring Head Lamp Rotation	SASO IEC 60598-1 Clause 4.4.4/2021 IEC 60598-1 Clause 4.4.4/2020	
<b>Petroleum Laboratory</b>				
Petroleum	Lubricating Oils	Determination of Flash Point Cleveland Open Cup Method	SASO ASTM D92; ASTM D92: 2018	
	Lubricating Oils	Determination of Kinematic Viscosity	SASO ASTM D445; ASTM D445: 2021	
	Lubricating Oils	Determination of Foaming Characteristics	ASTM D892: 2018	
	Lubricating Oils	Calculating Viscosity Index	ASTM D2270: 2016	

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	Grease	Determination of Dropping Point Over Wide Temperature Range	ASTM D2265: 2020	
	Kerosene	Determination of Flash Point Tag Closed Cup Method	SASO ASTM D56; ASTM D56: 2021	
	Lubrication Oils	Determination of Density Oscillating U-tube Method	ASTM D4052: 2018	
	Lubrication Oils	Determination of Color	ASTM D1500: 2017	
	Gas Oil, Gasoline and Kerosene	Determination of Distillation at Atmospheric Pressure	SASO ASTM D86; ASTM D86: 2020	
	Lubrication Oils, Gas Oil, Kerosene	Determination of Sulfur (S) Energy Dispersive XRF	ASTM D4294: 2021	
	Lubrication Oils, Diesel Types	Determination of Cloud Point	ASTM D2500: 2017	
	Lubrication Oils, Fuel Oil Types, Diesel Types	Determination of Pour Point	ASTM D6749: 2018	
<b>Paint and Varnishes Laboratory</b>				
Paint and Varnishes	Paints and Varnishes	Determination of Wet-Scrub Resistance and Cleanability of Coatings	SASO ISO 11998; ISO 11998 /2006	
	Paints and Varnishes	Determination of Dry Opacity	SASO 2063 /2002	
	Paints and Varnishes	Determination of Flash Point by Tag Closed Cup Tester	SASO ASTM D56; ASTM D56 /2021	
<b>Steel and Aluminum Laboratory</b>				
Mechanical /	Steel, Metallic Materials	Test Hardness Rockwell (-HRC-HRB)	SASO ASTM E18;	

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Physical for Metallic Materials and steel bars			ASTM E18-20	
	Steel, Metallic Materials	Test Hardness Vickers (HV 10 and HV30)	ASTM E384-17	
	Reinforced Bars Steel, Metallic Materials and Steel Products	Determination of Tensile Test (ambient temperature) Tensile Strength Yield Strength Elongation	SASO ISO 6892-1; ISO 6892-1-2019(en); SASO ASTM A370; ASTM A370-21E1; ASTM E8/E8M-21	
	Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement	Determination of The Average Height	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A706/A706M+A1:2021 Clause 8.2)	
	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	Determination of The Average Height	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A615/A615M+A1:2021 Clause 8.2)	
	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	Determination of The Angle	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A615/A615M+A1:2021 Clause 8.2)	
	Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement	Determination of The Overall Length	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A706/A706M+A1:2021 Clause 8.2)	
	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	Determination of The Overall Length	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A615/A615M+A1:2021 Clause 8.2)	
	Deformed and Plain Carbon-Steel Bars for Concrete	Determination of The Average Spacing	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM	

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	Reinforcement		A615/A615M+A1:2021 Clause 8.2)	
	Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement	Determination of The Average Spacing	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A706/A706M+A1:2021 Clause 8.2)	
	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	Determination of Nominal Linear Mass	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A615/A615M+A1:2021 Clause 8.2)	
	Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement	Determination of Nominal Linear Mass	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A706/A706M+A1:2021 Clause 8.2)	
	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	Determination of The Angle	In-House Method GDL-SOP-002 v1:19 (Modified from SASO ASTM A706/A706M+A1:2021 Clause 8.2)	
	Steel Products (Steel Lighting Poles)	Determination of Zinc Coating Thickness	SASO-1495; GSO 1610:2002, Clause 11.3.1.3.1	
	Steel Products (Metallic Materials)	Determination of Bend Testing of Material for Ductility	SASO ASTM E290; ASTM E290:14	
	Carbon and low alloy steel	Chemical Analysis of elements (C, P, S, Cu, Ni, Cr, Mo, V, Mn, Si) by spark Atomic Emission Spectrometry.	ASTM E415:21	
	Aluminum & Aluminum Alloys	Chemical analysis of elements ( Si, Fe, Cu, Mn, Mg, Cr, Zn, Ti, Zr As, pb, Ni, Mo, Ga, V) by spark Atomic Emission Spectrometry.	ASTM E 1251:17	
	Aluminum & Aluminum Alloys	Chemical Analysis of Element (Al) by spark Atomic Emission Spectrometry.	In house method GDL SOP 001 v1:19	

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	Austenitic Stainless Steel	Determination of (Carbon, Nickel, Phosphorus, Sulfur, Chromium, Manganese) Element by spark Atomic Emission Spectrometry.	ASTM E1086:14	
<b>Cylinders and Cook Stoves Laboratory</b>				
Cylinders and Cook Stoves	Fire Extinguisher	Determination of Discharge Time	SASO 64 Clause 14 / 1977, GSO 636 (SASO 124) PART 3 Foam Fire Extinguisher, GSO 637 (SASO 125) (Dry Powder Fire Extinguisher - Part 4), SASO 63 / 1977 (Steel Portable Carbon Dioxide Fire Extinguishers)	
	Fire Extinguisher	Determination of Range of Throwing	GSO 636 (SASO 124) PART 3 Foam Fire Extinguisher, GSO 637 (SASO 125) (Dry Powder Fire Extinguisher - Part 4), SASO 63 / 1977 (Steel Portable Carbon Dioxide Fire Extinguishers)	
	Fire Extinguisher	Determination of Capacity	SASO 64 Clause 5 / 1977	
	Gas Cylinder & Fire Extinguisher	Determination of Thickness	SASO ISO 22991 /2019	
<b>Chemical Elements Analysis Laboratory</b>				
Chemical	Water	Determination of metals	SASO ISO 11885; ISO 11885:2007	



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elements Analysis	water	Determination of F, Cl, SO <sub>4</sub> , NO <sub>3</sub> , NO <sub>2</sub> by Ion Chromatography	SASO ISO 10304-1; ISO 10304-1:2007	
	water	Determination of Electrical Conductivity	SASO ISO 7888; ISO 7888:1985	
	Toys and Children Products Safety of Toys	- Migration of Certain Elements (Antimony, Arsenic, Lead, Cadmium, Chromium, Barium) (by using ICP-OES )	BS EN-71-3:2019	
<b>Chemical Compounds Analysis Laboratory</b>				
Chemical Compounds	Safety of toys	Organic chemical compounds — Methods of analysis (acrylamide)	BS EN 71-11 Part 11:2005	
	Detergents	pH of Aqueous Solutions of Soaps and Detergents	ASTM D1172 - 15, GSO ISO 4316:1994	
<b>Thermal Insulation Laboratory</b>				
Thermal Insulation	Cellular Polystyrene	Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)	ASTM D2863:2019	
<b>TEST CATEGORY</b>	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b>	<b>SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED</b>	<b>SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED</b>	<b>Remarks</b>
<b>Location 2: (Dammam coastal- Al Khobar), King Faisal RD P.O. Box 1893 Dammam 31441 K.S.A DAMMAM/SAUDI ARABIA</b>				
<b>Petroleum Laboratory</b>				

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Petroleum	Diesel Fuel	Determination of Flash Point Pensky – Martens Closed Cup	SASO ASTM D93; ASTM D93:2020	
	Lubrication Oils	Determination of Pour Point automatic air pressure	ASTM D6749: 2018	
	Lubrication Oils	Determination of Density Oscillating U-tube Method	ASTM D4052: 2018	
	Gasoline Fuel	Determination of Distillation at Atmospheric Pressure	SASO ASTM D86; ASTM D86: 2020	
	Lubrication Oils	Determination of Corrosiveness to Copper	ASTM D130:2019	
	Lubrication Oils	Determination of Flash Point Cleveland Open Cup Method	SASO ASTM D92; ASTM D92: 2018	
	Lubricating Oils	Determination of Kinematic Viscosity	SASO ASTM D445; ASTM D445: 2021	
	Lubricating Oils	Calculating Viscosity Index	ASTM D2270: 2016	
	Lubrication Oils	Determination of Color	ASTM D1500:2017	
	Lubricating Oils	Determination of Foaming Characteristics	ASTM D892: 2018	
	Kerosene	Determination of Flash Point Tag Closed Cup Method	SASO ASTM D56; ASTM D56:2021	
	Kerosene	Determination of Freezing Point	ASTM D2386:2019	

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	Diesel Fuel	Determination of Cloud Point	ASTM D2500: 2017	
<b>Electrical Products Safety Laboratory</b>				
Electrical Products	Home Appliances	Earthing Test	SASO GSO IEC 60335-1 Clause 27.5:2019 IEC 60335-1 Clause 27.5:2020	
	Home Appliances	High Voltage Test	SASO GSO IEC 60335-1 Clause 13.3:2019 IEC 60335-1 Clause 13.3:2020	
	Home Appliances	Power Input	SASO GSO IEC 60335-1 Clause 10/2019	
	Plugs for Household	Resistance to Heat	SASO GSO IEC 60669-1 Clause 16.1/2014 IEC 60669-1 Clause 16.1/2021	
	Plugs for Household	Clearance and Creepage Distances	SASO 2203 Clause 4.5:2018 GSO BS 1363-1 Clause 8.1.5:2016	
	Plugs for Household	Rating, Shape and Dimensions	GSO BS 1363-1 Clause 8:2016	
	Plugs and Socket / 13 A / 250 V	Insulation Resistance Test	SASO 2203 Clause 5.3:2018	
	Drinking Water Coolers	Insulation Resistance Test	SASO 414 Clause 7:1985 GSO 1812 Clause 7:2007	
	Drinking Water Coolers	High Voltage Test	SASO 414 Clause 6:1985 GSO 1812 Clause 6:2007	
	Household Appliance	Stability and Mechanical Hazards	SASO GSO IEC 60335-1 Clause 20.1/2019 IEC 60335-1 Clause 20.1/2020	
<b>Building and Construction Product Laboratory</b>				

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 ISO/IEC 17025:2017  
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Mechanical / Physical Construction Materials testing	Ceramic Tiles	Determination of Dimensions (Length, Width and Thickness)	SASO ISO 10545-2 :2019 ISO 10545-2:2018(E)	
	Wash Basins	Dimeter of: The hole d2 (single- Hole fittings), The center line of the tap hole to the back wall g5(single hole fittings)- Horizontal distance between The center line of the tap hole to the edge of the bowl g1(single Hole fittings)- width of the flat plane of the tap platform from the center of the tap Hole to the back edge of the flat plane g4 (single Hole fittings)	In House Method SASO 1024,1998 GSO 1013- 1998	
<b>TEST CATEGORY</b>	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b>	<b>SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED</b>	<b>SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED</b>	<b>Remarks</b>
<b>Location 3 : Jeddah, AL Aziziyah, As Sahafa St P.O. Box 9485 JEDDAH/SAUDI ARABIA</b>				
<b>Chemical Elements Analysis Laboratory</b>				
Chemical Elements	Water	Determination of metals	SASO ISO 11885:ISO 11885:2007	
	Sodium Hypochlorite	Determination of Available Chlorine Content	SASO GSO 1845 Clause 5-2-1:2008	
	Sodium Hypochlorite	Determination of Cd, Ni, Pb, by AAS	ISO 8288:1986	

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	Sodium Hypochlorite	Determination of pH	SASO 306 GSO 206:2008	
	Sodium Hypochlorite	Determination of free Alkali Content	GSO 801:2015	
<b>Petroleum Laboratory</b>				
Petroleum	Lubricating Oils	Determination of Flash Point Cleveland Open Cup Method	SASO ASTM D92; ASTM D92:2018	
	Lubricating Oils	Determination of Kinematic Viscosity	SASO ASTM D445; ASTM D445:2021	
	Lubrication Oils	Determination of Color	ASTM D1500:2017	
	Lubrication Oils	Determination of Phosphorus (P), Sulfur (S), Calcium (Ca), Zinc (Zn) Energy Dispersive XRF	SASO ASTM D6481; ASTM D6481:2019	
	Lubrication Oils	Determination of Flash Point Pensky-Martens Closed Cup Method	SASO ASTM D93; ASTM D93:2020	
	Lubrication Oils	Calculating Viscosity Index	ASTM D2270:2016	
	Lubrication Oils	Determination of Corrosiveness to Copper	ASTM D130:2019	
	Gas Oil, Gasoline and Kerosene	Determination of Distillation at Atmospheric Pressure	SASO ASTM D86; ASTM D86:2020	
	Gas oil	Determination of Sulfur (S) Energy Dispersive XRF	ASTM D4294:2021	
	Lubrication Oils	Determination of Additive Elements by EDXRF	ASTM D7751:2021	

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	Lubrication Oils	Determination of Pour Point	ASTM D97:2017	
<b>Toys Laboratory</b>				
<b>Toys</b>	<b>Toys Products</b>	<b>Sharpness of Points</b>	BS EN 71-1 Clause 8.12; / 2018 GSO EN 71-1 Clause 8.12; / 2021 ISO 8124-1 Clause 5.9 / 2018	
		<b>Impact Test</b>	BS EN 71-1 Clause 8.7; / 2018 GSO EN 71-1 Clause 8.7; / 2021 ISO 8124-1 Clause 5.14 / 2018	
		<b>Compression Test</b>	GSO EN 71-1 Clause 8.8:2021 EN 71-1 Clause 8.8	
		<b>Accessibility of a Part or Component</b>	GSO EN 71-1 Clause 8.10:2021 BS EN 71-1 Clause 8.10:2018	
		<b>Leakage of Liquid-Filled Toys</b>	GSO EN 71-1 Clause 8.15:2021 BS EN 71-1 Clause 8.15	
		<b>Drop test</b>	GSO EN 71-1 Clause 8.5:2021 BS EN 71-1 Clause 8.5:2018	
		<b>Sharpness of Edges</b>	BS EN 71-1 Clause 8.11; / 2018 GSO EN 71-1 Clause 8.11; / 2021	

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			ISO 8124-1, Clause 5.8 / 2018	
<b>Electrical Products Safety Laboratory</b>				
Electrical Products	Plugs and Socket -Outlets for Household	Resistance to Heat	SASO 2203 Clause 5.9/2018 SASO 2815 Clause 25.1/2021 BS 1363-1 Clause 22/2016 BS 1363-2 Clause 22/2016	
	Plugs and Socket -Outlets for Household	Insulation Resistance	SASO 2203 Clause 5.3:2018 SASO 2815 Clause 17:2021	
	Household and Similar Electrical Appliances	Provision for Earthing	SASO GSO IEC 60335-1 Clause 27/2019 IEC 60335-1 Clause 27/2020	
	Household and Similar Electrical Appliances	Leakage Current and Electric Strength at Operating Temperature (High Voltage)	SASO GSO IEC 60335-1 Clause 13:2019 IEC 60335-1 Clause 13: 2020	
	Household and Similar Electrical Appliances	Power Input and Current	SASO GSO IEC 60335-1 Clause 10/2019	
	Electric Glass Kettle	Supply Connection External Flexible Cords	SASO GSO IEC 60335-1 Clause 25.8:2019 IEC 60335-1 Clause 25.8: 2020	
	Electric Connection	Resistance of Insulating Material to Abnormal Heat to Fire and to Trackin	SASO 2815 Clause 28.1.1:2021	
<b>Building and Construction Product Laboratory</b>				
Mechanical / Physical Construction Materials	Ceramic Tiles	Determination of Dimensions (Length, Width and Thickness)	SASO ISO 10545-2 :2019 ISO 10545-2:2018(E)	

Version: 3.7

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Date: 10<sup>th</sup> March 2022

Approved by: Brahim Houla



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testing				
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**Note:** the text in blue indicates the new scope OR update in the Edition of a test method in this issue of the scope of accreditation.

### Log of Suspended Scopes:

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Suspended	Date Reinstated

### Log of Withdrawn Scopes:



## 10.6 Scope of Accreditation

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TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Withdrawn

**END**

Status of this accreditation can be checked in the GAC's website to confirm the validity of this accreditation - <https://www.gac.org.sa/en/>