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United Accreditation Foundation

3510, Colmar, Norfolk, VA 23509, United States of America

	Eurolab Laboratuvar A.Ş.
CAB-TEST-556601 Accredited to	Issue No: 01 Issue date: 11/03/2022
ISO/IEC 17025:2017	Accreditation Numbers: 52211556601
Address and Contact Details	Merkez, Mh, Dr Sadık Ahmet Cd, No 30/34 C Bağcılar / ISTANBUL – TURKEY +90 212 702 30 00 info@laboratuvar.com
	HASAN KUTLU
Other Sites	Nil
Accreditation Valid Date	Nov 03, 2022
Accreditation Valid up to	*Nov 02, 2026 * Subject to the terms and conditions that are set out in Accreditation Agreement signed by the LAB are met and Surveillance assessments as per the LAB Surveillance Program and other obligations are satisfactorily completed.

SCOPE OF ACCREDITATION:

	CHEMICAL TESTING						
S.No	Product(s) / Material of test	Specific Testing Methods	Test Method/ Standard against which the Test is performed Equipment/Techniques used				
1.	Children products	Determination of Phthalates	CPSC-CH-C1001-09.4:2018 (GC- MS)				
2.	Footwear and footwear components	Quantitative determination of polycyclic aromatic hydrocarbons (PAHs)	ISO 16190:2021 (GC-MS)				

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Issued by Director on Nov 03, 2022.



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United Accreditation Foundation

3510, Colmar, Norfolk, VA 23509, United States of America

	Eurolab Laboratuvar A.Ş.
	Issue No: 01 Issue date: May 09, 2023
Accredited to ISO/IEC 17020:2012	Accreditation Numbers: 5230555IB03
Address and Contact Details	Merkez, Mh, Dr Sadık Ahmet Cd, No 38/44 C Bağcılar / ISTANBUL – TURKEY +90 212 702 30 00 <u>info@laboratuvar.com, www.laboratuvar.com</u> Mr.Hasan Kutlu
Other Sites	Nil
Accreditation Valid Date	05/09/2023
Accreditation Valid up to	*05/08/2027 * Subject to the terms and conditions that are set out in Accreditation Agreement signed by the EUROLAB are met and Surveillance assessments as per the EUROLAB Surveillance Program and other obligations are satisfactorily completed.
Type of Inspection Body (As defined in ISO/IEC 17020 clause 4.1.6)	Type A: Provides Third Party Inspection Service only

ACCREDITATION STANDARDS:

ISO/IEC 17020: 2012 – Conformity assessment – Requirements for bodies providing various types of Inspection Services.

The Scope of Accreditations is detailed in the attached Annexure

Director Dated: May 09, 2023.



Annexure to Accreditation Schedule-5230555IB03 Issue 01 Issued to Eurolab Laboratuvar A.Ş., Merkez, Mh, Dr Sadık Ahmet Cd, No 38/44 C Bağcılar ISTANBUL – TURKEY

Scope of Accreditations

r		ccreditations	
Inspection Type	Inspection field sub-field(s)	Stage of inspection (e.g., Fabrication, In-service)	Inspection requirements/criteria
Periodic Control	Lifting and Forwarding Machines Crane	Fabrication, In service	Regulation 28628 - Health And Safety Regulations Terms of Use of Work Equipment
Periodic Control	Pressure Vessels	abrication, In-service	Regulation 28628 - Health And Safety Regulations Terms of Use of Work Equipment
Periodic Control	Boilers	Fabrication, In-service	Regulation 28628 - Health And Safety Regulations Terms of Use of Work Equipment
Periodic Control	Atmospheric Storage Tanks	Fabrication, In-service	Regulation 28628 - Health And Safety Regulations Terms of Use of Work Equipment
Periodic Control	Fire Protection Systems	Fabrication, In-service	Regulation 28628 - Health And Safety Regulations Terms of Use of Work Equipment TS ISO 14520-11 , TS EN 14466- A1 TS EN 12845 NFPA 25, NFPA 2001, NFPA 12
Periodic Control	Lifts (Electric Drive Lift Hydraulic driven elevator)	Fabrication, In-service	 Elevator Operating, Maintenance and Periodic Control Regulation Communiqué on Type A Inspection Bodies to be Authorized for Elevator Periodic Controls
Process Inspection	Welded Manufacturing - Evaluation and Approval of Welding Procedures	Fabrication, In-service	AD 2000 Merkblatt HP2 / 1, ASME Sec.IX ASTM A488, TS EN ISO 15614 AWS D1.1 AWS D1.5 API 1104, TS EN 1090-2
Process Inspection	Steel Structures – Manufacturing Process Inspection	Fabrication, In-service	AWS D1.1 AWS D1.5, TS EN 1090-2
Non- Destructive Testing (NDT)	Gas and Liquid Petroleum Products (LPG), Storage Tanks and Pipelines:Acoustic Emission Measurements	Fabrication, In-service	Regulation 28628 .HEALTH AND SAFETY REGULATIONS TERMS OF USE OF WORK EQUIPMENT TS EN 12817. TS EN 12819, TS EN 13554, TS EN 15495 ASTM E1930- 97 ASME Sec.V
Non- Destructive Testing	Acoustic Emission Test	Fabrication, In-service	TS EN ISO 7317 TS EN 13477-1, TS EN 13477-2. TS EN 13554,TS EN 15495,TS EN 14584,ASTM E569-07 ASTM E1930- 97,TS EN ISO16148 TS EN 15856,ASME BPVC Sect. 5 2013.
Non- Destructive Testing	Radiographic Examination, Evaluation and Approval of Films	Fabrication, In-service	TS EN ISO 17636-1 TS EN ISO 17636-2 TS EN ISO 5817 TS EN ISO 10675-1 TS EN ISO 10675-2 TS EN 12681, TS EN ISO 5579



			97/23 / A1 AT API 650,AWS D1.1
			AWS D. 1.5 ASME SEC V ASME B 31.1,ASME 31.3,ASME B 31.8 ASME SEC. VIII,API 1104AD 2000 markers, HP5/3
Non- Destructive Testing	Liquid Penetrant Inspection, Evaluation and Approval	Fabrication, In-service	TS EN ISO 5817 TS EN ISO 3452- 1 TS EN ISO 23.277 TS EN 10.228-2., TS EN 1371-1,TS EN 1371-2,API 650 AWS D.1.1 AWS D.1.5 ASME SEC V ASME B 31.1,ASME B 31.3,ASME B 31.8 ASME SEC VIII,API 1104
Non- Destructive Testing	Magnetic Particle Inspection Evaluation and Approval	Fabrication, In-service	5817 TS EN ISO TS EN ISO 17638 TS EN ISO 23278 TS EN 10.228- 1,API 650 AWS D.1.1 AWS D.1.5 ASME SEC V ASME B 31.1,ASME B 31.3,ASME B 31.8,ASME SEC VIII API 1104
Non- Destructive Testing	Inspection, Evaluation and Approval by Ultrasonic Inspection, Phased Array & TOFD Techniques	Fabrication, In-service	TS EN ISO 5817 TS EN ISO 11666 TS EN ISO 23279 TS EN ISO 17640 TS EN 10228-3, TS EN 12.680-1,API 650 AWS D1.1 AWS D.1.5 ASME SEC V ASME B 31.1,ASME B 31.3,ASME B 31.8 ASME SEC VIII,API 1104
Non- Destructive Testing	Metal products and metal products manufacturing – Visual Inspection	Fabrication, In-service	TS EN ISO 5817 TS EN ISO 17637 API 1104,API 650 AWS D.1.1 AWS D.1.5 ASME V ASME B 31.1,ASME B 31.3,ASME B 31.8 ASME SEC VIII
Electrical Measurements and Evaluation	Grounding - Lightning Rod Measurement and Control- Cathodic Protection Measurements- Generator	Fabrication, In-service	Grounding Regulation for Electrical Installations, TS EN 62305-1, TS EN 62305-3,TS EN 12817,TS EN 12819,Regulation 28628 - Regulation on Health and Safety Conditions in the Use of Work Equipment
Radiation Control	Metallurgical Scrap	Fabrication, In-service	Regulation on Radiation Safety Communiqué on the Status of International Surveillance Company (Product Safety and Inspection: 2015/24) 15.01.02.PR.04 Radiation Control Inspection Procedure in Metal Scrap
Non-Destructive Testing/ DT	Packed Products, Textile products, Machinery and mechanical devices and parts there of, Electrical and Electronic Equipment and parts thereof Electrical Equipment Elevators and their accessories Chemicals, hygienic products, cleaning products, personal care products etc.	Fabrication, In-service	MGMB-ITHALAT-2018/1 MGMB-ITHALAT-2018/2 MGMB-ITHALAT-2018/5 MGMB-ITHALAT-2018/6 MGMB-ITHALAT-2018/7 MGMB-ITHALAT-2018/8 MGMB-ITHALAT-2018/10 MGMB-ITHALAT-2018/11 MGMB-ITHALAT-2018/12

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	Pressure vessels and equipment, Road vehicles and parts thereof,Ceramic and Plastic Products,Composite materials, wood and casting products,- Articles of ordinary metals and basic metals,- Various Goods (Furniture, Toys, Games and Sporting Goods, parts thereof, miscellaneous goods, etc.)		COMMUNIQUE ON IMPORT CONTROL OF PRODUCTS SUBJECT TO THE CONTROL OF THE MINISTRY OF AGRICULTURE AND FORESTRY (PRODUCT SAFETY AND AUDIT: 2023/5) Republic of Turkey Technical Regulations Decision "Number of Decisions: 6038" Republic of Turkey Ministry of Trade GENERAL PRODUCT SAFETY REGULATION Number: 31420
			The General Product Safety Directive (GPSD) (2001/95/EC)
Cargo inspection	Transported by sea, land and railway vehicles and containers;Solid bulk cargoes;Mining and Mineral Products,- Ferro Alges,Gas and Liquid Loads;- Crude oil,Petroleum Products Chemicals	Fabrication, In-service	MGMB work instructions API MPMS Part 12 HM28-HM29, TS ISO 2859-1,TS ISO 2859-2,TS ISO 2859-3,TS ISO 2859-4,TS ISO 2859-5
Cargo inspection	Agricultural products, Vegetable Oils	Fabrication, In-service	MGMB work instructions Sampling Rules (GAFTA, FOSFA, ICA, TS, Food Codex, IWTO, FCC, OIE etc.)
Manufacturing Process Inspection	Machined Parts, Sheets, Pipes Valves	=Fabrication, In-service	TS EN 10204., TS EN 10217,TS EN 10219-1,TS EN 10219-2,,S EN 10025 series TS EN 10028 series TS EN 10149 series TS EN ISO 3183 TS EN 13942,ASTM A 36,ASTM A 53,ASTM A 106,ASTM A 333,,ASTM A 312,ASTM A 283,ASTM A 516,ASTM A 517 ASME B16.34,API 602,API 6D,API 598,API 600,API 5L,API 610, DIN 1626
Periodic examination	-Thermographic examination, -I-V measurement and degredation analysis, Networked Photovoltaic Systems – Photovoltaic (PV) Modules, -Inverters, -Solar Cables	Fabrication, In-service	TS EN 62446-1., IEC 62446-1,IEC 62446-3,TS EN 61724,TSE-MGMB inspection procedure,TS EN 62759-1,IEC 62759-1,IEC 62759-2
Post- installation Surveillance - Annual Main Inspection	Children Playground Elements and Ground Arrangements	Fabrication, In-service	TS EN 1176-1,TS EN 1176- 1/D1,TS EN 1176-2,TS EN 1176- 3,TS EN 1176-3/D1,,S EN 1176- 4,TS EN 1176-5,TS EN 1176-6,TS EN 1176-7,TS EN 1176-11
Periodic Control	Speed Measuring Instruments (RADAR)	Fabrication, In-service	Speed Violation Fixing Equipment Inspection Regulation



Initial inspection	Pressure Equipment Assessment and Approval of Fixed Connection Procedures	Fabrication, In-service	2014/68 / EU Pressure Equipment Directive Annex I,Article 3.1.2 & 3.1.3
NDT	Steel Wire Rope Inspection	Fabrication, In-service	TS EN 12385-1 ASTM E1571
NDT	Medical and Protective Mask inspection- Visual and Measurement Inspection Type Approval	Fabrication, In-service	93/42/EEC EU Medical Directive (EU) 2017/745 (EU)2016/425 Personal Protective Directive
NDT	Medical and Protective Gown Suits inspection- Visual and Measurement Inspection Type Approval	Fabrication, In-service	93/42/EEC EU Medical Directive (EU) 2017/745 (EU)2016/425 Personal Protective Directive
NDT	Disinfectant Products inspection- Visual and Measurement Inspection Type Approval	Fabrication, In-service	93/42/EEC EU Medical Directive (EU) 2017/745 (EU)2016/425 Personal Protective Directive
NDT	Electromagnetic compatibility examination of electrical and electronic devices- Visual and Measurement Inspection Type Approval	Fabrication, In-service	2014/30/EU, Electromagnetic Compatibility Directive
NDT	Low voltage Electrical Equipment Inspection- Visual and Measurement Inspection Type Approval	Fabrication, In-service	2014/35/EU., Low voltage directive
NDT/DT	Electrical parts, Metal Parts, Composite Parts inspection- Visual and Measurement Inspection Type Approval	Fabrication, In-service	ECE/UNECE Regulations
NDT	XRF Mining Metal Alloys Inspection- Measurement Inspection Type Approval	Fabrication, In-service	Inhouse Method -EUROLAB-SEM:2020 Method
NDT/DT	Equipment Inspections and Type Approval - Metal, Composite, Electronic Parts and Glass for specific Use by Customers Like Military and Air Space Industries	Fabrication, In-service	Customer Specific Standards, other International applicable inspection standards and Inhouse Method
NDT	Construction Product Inspections and Type Approval - Metal, Composite, Concrete and Glass	Fabrication, In-service	EU 305/2011 89/106/EEC
NDT	Medical Respirator Inspection and Type Approval	Fabrication, In-service	93/42/EEC EU Medical Directive (EU) 2017/745

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Director Dated May 09, 2023.



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Schedule of Accreditation Issued by United Accreditation Foundation 400, North Center Dr, STE 202, Norfolk, VA 23502

United States of America

	EUROLAB LABORATUVAR A.Ş.
	Issue No: 05 Issue date: 09/30/2024
Accredited to ISO/IEC 17020:2012	Accreditation Numbers: 5230555IB03
Address and Contact Details	Mahmutbey Mh, Dilmenler Cd, No 2, 34218, Bağcılar, İstanbul, Turkey +90 212 702 30 00 <u>info@laboratuvar.com, www.laboratuvar.com</u> Ms. Sevilay SARIAYDIN
Other Sites	Nil
Countries where UAF accredited certificates can be Issued (Subject to Compliance with UAF Policy For CAB Operations in Sanctioned Countries)	Austria, Albania, Algeria, Argentina, Azerbaijan, Belgium, Bosnia & Herzegovina, Bulgaria, Brazil, Canada, Croatia, Cyprus, Czech Republic, Denmark, Egypt (subject to approval from local authorities), Estonia, Finland, France, Georgia, Germany, Greece, Hong Kong, Hungary, India, Indonesia, Iraq, Ireland, Israel, Italy, Japan, Kuwait, Kazakhstan, Latvia, Lithuania, Luxembourg, Malta, Malaysia, Mexico, Moldova, Mongolia, Morocco, Netherlands, North Macedonia, Norway, Pakistan, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Tunisia, Thailand, Turkmenistan, United Kingdom, Turkey, Turkmenistan, Qatar, United Arab Emirates, Uzbekistan, Ukraine, United States of America
Accreditation Valid Date	05/09/2023
Accreditation Valid up to	*05/08/2025 * Subject to the terms and conditions that are set out in Accreditation Agreement signed by the EUROLAB are met and Surveillance assessments as per the EUROLAB Surveillance Program and other obligations are satisfactorily completed.
Type of Inspection Body (As defined in ISO/IEC 17020 clause 4.1.6)	Type A: Provides Third Party Inspection Service only



ACCREDITATION STANDARDS:

ISO/IEC 17020: 2012 – Conformity assessment – Requirements for bodies providing various types of Inspection Services.

Technical	Scope	Inspection	Range of	Methods and	Details of Testing	Stage of	Inspection requirements / criteria	
Cluster/	(IAF)	field / sub-	inspections	activities during	Equipment	inspection		
Group		field(s)		Inspection	Required, if any	(e.g.	Standards	
					(inhouse or	Fabrication,		
					outsourced)	In-service)		
	01a	Feed	Final	Moisture	Moisture analyser	Final	ISO 712:2009	
А	Agriculture	products	product	inspection		packing		
	, forestry	for animals	inspection					
	and fishing			Heavy metal	EDX	Final	-ISO 6869:2000	
	jana nemig			inspection	ICP-MS	packing	-AOAC Official -Method	
				hopeedon	AAS	paciting	999.10	
					775		-AOAC Official Method	
							2015.01	
							-ASTM E1613-12	
							-CAC/GL 74-2009	
				Pesticide	GCMS-MS	Final	-AOAC Official Method	
				inspection		packing	2007.01	
					LCMS-MS		-AOAC Official Method	
							990.06	
	1			1				

Scope of Accreditations



Dimension and Size inspection	Calliper Micrometre Particle Sizer measuring tapes Meter	Final packing	-ASTM D6341
Odour		Final packing	-ASTM D5953M-23 -ISO 13301 -ISO 4120 -ASTM E679
Bacteria and Mold Inspection	HPLC MALDI-TOF ELISA PCR	Final packing	-ISO 21527-1 -ISO 21527-2 -ASTM E1428
Shelf Life Inspection	Accelerated aging cabin	Final packing	-ASTM E2454 -Regulation (EC) No 1935/2004 - The General Product Safety Directive (GPSD) (2001/95/EC) - MGMB work instructions Sampling Rules (GAFTA, FOSFA, ICA, TS,



							Food Codex, IWTO, FCC, OIE etc.)
A	03 Food products,	Food Products, beverages	Final product inspection	Vibration Inspection	Vibration Table	Final packing	-ASTM D4169 ISO 8318:2000 ASTM D4728-17
	beverages and tobacco	and tobacco		Shock Inspection	Shock Machine	Final packing	ASTM D5276-19 ISO 2248:1985
				Box compressive strength Inspection	Compressive Strength tester	Final packing	ASTM D642-20
				Atmospheric conditioning	Climatic Cabinet	Pre-export	-ISO 21543:2020 ISO 29822:2009
				Content Inspection	FTIR	Pre-export	-ISO 15152:2003 ISO 10315:2021
				Nicotine Inspection	GC MS	Pre-export	ISO 15154:2003
				Sugar Inspection	HPLC	Pre-export	-ISO 20838:2006 ISO 21569:2005 ISO 21570:2005
				GDO/GMO	PCR	Pre-export	-ISO 2881:1992



Total alkaloids Inspection	UV- spectrophotometer	Pre-export	-ISO 16050:2003 ISO 14501:2021 ISO 22065:2020
Mytotoxin / Aflatoxin Pesticide	-HPLC LCMS-MS LCMS-MS -GCMS-MS	Pre-export	-ISO 17294-1:2024 ASTM D1976-20
Heavy Metals Inspection	ICP MS AAS	Pre-export	-ISO 21528-2:2017 ISO 11290-1:2017 ISO 16649-2:2001
Bacterial /Microbial		Pre-export	-ISO 16779:2015
Shelf Life	Accelerated	Pre-export	-ISO 21543:2020
Vegan	PCR ELYSA FTIR GC MS	Pre-export	-ISO 15302:2017 ISO 22959:2009 ISO 17993:2002 MGMB work instructions Sampling Rules (GAFTA, FOSFA, ICA, TS, Food Codex, IWTO, FCC, OIE etc.)
PAH	HPLC GC MS	Pre-export	-Regulation (EC) No 1935/2004



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							-ISTA series: 2010 -The General Product Safety Directive (GPSD) (2001/95/EC) -EU Regulation (EC) No 178/2002 -Codex Allimentarius -V-Mark Scheme
A	03 Food products, beverages and tobacco	Food Products, beverages and tobacco		NIAS (Non- Intentionally Added Substances)	GC-MS FTIR LC-MS GC-MS/MS		 EU Regulation (EC) No. 1935/2004: Framework regulation on materials and articles intended to come into contact with food. EU Regulation (EU) No. 10/2011: Sets specific rules for plastic food contact materials, including an emphasis on minimizing NIAS.
В	02 Mining and Quarrying Products	Mining and Quaring Products	Final Product Inspection/ On site Inspection	Ultrasonic Inspection	Portable ultrasonic test equipment	Pre- Shipment	-ASTM E114-20 -ISO 16810:2012
				Radio graphic Inspection	Digital Radiographic Detectors	Pre- Shipment	-ASTM E94 -ISO 17636



Magnetic	-Gauss Meter	Pre-	-ASTM E1444-05
Particle Test	-AC-DC	Shipment	-ISO 9934-1:2016
	magnetization		
	Equipment		
Liquid Penetrant		Pre-	-ASTM E165
Inspection	Gun	Shipment	-ISO 3452
Visual	Digital Camera	Pre-	-ASME BPVC Section V
Inspection	Video Endoscopes	Shipment	-ISO 17637:2016
Compressive Strength	Compressive Strength Test Equipment	Pre- Shipment	ASTM D7012-23
Load Inspection	Schmidt Tow truck	Pre- Shipment	ASTM D5731
Durability Inspection	Drum temper Desiccator	Pre- Shipment	ASTM D4644
Tri Axial Compression Inspection	Compression Tester	Pre- Shipment	EN 12504-1
Particular İnspection	-Particular Size Test Equipment -SEM -EDX-XRF	Pre- Shipment	-ISO 13320 -ISO 16700 -ASTM C1365



				Hardness Inspection	Hardness Tester(Vicker,rockw ell etc.)	Pre- Shipment	ASTM C805
В	02 Mining and Quarrying Products	Mining and Quaring Products	Final Product Inspection/ On site Inspection				
В	15 Non- Metallic	Non- Metallic Mineral	Final Product Inspection	Non-Destructive Testing/ DT	Portable	Pre- shipment	- The General Product Safety Directive (GPSD) (2001/95/EC)
	Mineral Products	Products		XRF Inspection	-XRF Spectrometer -EDX -SEM	Final packing	-ASTM C1271-99 ASTM C25-19e1
				Abrasion resistance /Impact resistance Inspection	Brasion tester/ Charpy impact tester	Final packing	-ASTM C131-20
				Endurance Inspection	Climatic Cabinet Balance	Final packing	-ASTM C88-24
				Thermal Conductivity Inspection	Thermal Conductivity test	Final packing	-ASTM C1113-09 ASTM E1461-13



							305/2011/EU Building Materials Regulation 89/106/EEC Building Materials Regulation
				Thermal stability Inspection	TGA-DSC	Final packing	-ISO 11358-1:2022 MGMB-ITHALAT-2018/1 MGMB-ITHALAT-2018/2
С	04	Textiles and textile products	Final product Inspection	Tensile strength Inspection	Tensile Testing Equipment	Pre- shipment	- ASTM D5034-21 ISO 13934-1:2013
				Tear resistance	Tear Testing Equipment	Final packing	ASTM D1424-21 ISO 13937-2:2000
		-Textile and Textiles		Abrasion resistance	Abrasion Tester	Final packing	-ASTM D4966-22 ISO 12947-2:2016
		products physical and chemical safety of products		Pilling resistance	Martindale Test Equipment	Final packing	-ASTM D4970-22 ISO 12945-2:2020
С	04	Textiles and textile products	Final product Inspection	Air permeability Inspection	Air permeability Tester	Final packing	-ASTM D737-14 ISO 9237:1995



Colour Fastness Crocking resistance Fastnesss Dimensional/ Washing Stability Inspection	UV Cabinet	Final packing	-ISO 105 series - The General Product Safety Directive (GPSD) (2001/95/EC)
Chemical Resistance Inspection	Chemicals	Final packing	-Personel Protective Equipment Directive Regulation EU 2016/425 -89/686/EEC (Personel Protective Directive) -CSA Z195:2014 CSA Z314:2018 ASTM F739-20
Bursting strength Inspection	Bursting Tester	Final packing	-ASTM D3786-18 ISO 13938-2:2019
Hydrostatic Head Strength	Hydrostatic Tester	Final packing	-ASTM D583-98
Flammability Inspection	Flammability test Equipment Vertical Burning tester Horizontal Burning Tester	Final packing	-ASTM D 6413-22 ISO 15025:2016 DIN 4102-20 BS 5852:2006 16 CFR 1632 16 CFR 1633



							ASTM D6413-22 NFPA 701 16 CFR 1610 ISO 15025:2016
				TOG Inspection	TOG Tester	Final packing	-EN 16781:2018 EN 71 series Toy Safety Directive 2009/48/EC 88/378/EC Toys Directive
C	05a	Leather and leather products	Final Product Inspection	Wear resistance Inspection	Balance	Pre- shipment	-ISO 5403-1:2011 ASTM D2099-14
				Breaking Strength	Tensile Strenght Test Equipment	Pre- shipment	-ISO 3376:2020 ASTM D2209-00
				Tear Strength	Tear Resistance equipment	Pre- shipment	-ISO 3377-1:2011 ASTM D4705-18
			Final Product	-Flexibility	Cruck Tester	Pre- shipment	-ISO 5402-1:2022
С	05a	Leather and leather	Inspection	рН	pH Meter	Pre- shipment	-ISO 4045:2018
		products		Heavy Metal Content	EDX ICP /AAS	Pre- shipment	-ISO 17072-1:2019 ASTM D6715-13
				Formaldehyde Content	UV Spectrophotometer	Pre- shipment	-ISO 17226-2:2018



Dye Test	GC-MS	Pre- shipment	-ISO 15701:2022
Heat Resistance Inspection	Climatic Cabinet	Pre- shipment	-ISO 17233:2017
Flame Resistance Inspection	Flammability Tester	Pre- shipment	-ISO 11640:2018
Color / Washing / Sweat / Rubbing Fastness	-Aging Cabinet Washing Machine	Pre- shipment	-ISO 105 Series
Surface Appearance Inspection Azodyes	Microscope	Pre- shipment	-ISO 20433:2024
Pesticide Residue Analysis	GC-MS /HPLC -GCMS-MS	Pre- shipment	-ISO 17234-1:2020 EN 14362-1:2017
Chromium VI content	UV Spectroftometer	Pre- shipment	-ISO 13365:2020
Content Inspection	FTIR	Pre- shipment	-ISO 17075-1:2017
Persistent Organic Preservatives (POPs) Inspection	GC-MS	Pre- shipment	-ISO 20387:2018 -ISO 18219-1:2021



			VOC Inspection	GCMS	Pre- shipment	-ISO 16000-6:2021 ISO 16000-9:2024 ISO 16000-3:2022
С	05a	Final Product	Phthalate Inspection	GCMS	Pre- shipment	-ISO 14389:2022



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Leather	Inspection				The General Product
and leather					Safety Directive (GPSD)
products			— " <u>o</u> , <u>i</u> ,		(2001/95/EC)
		Breaking	Tensile Strenght	Pre-	-ISO 3376:2020
		Strength	Test Equipment	shipment	ASTM D2209-00
		Tear Strength	Tear Resistance	Pre-	-ISO 3377-1:2011
			equipment	shipment	ASTM D4705-18
		Flexibility	Cruck Tester	Pre-	-ISO 5402-1:2022
				shipment	
		pН	pH Meter	Pre-	-ISO 4045:2018
				shipment	
		Heavy Metal	EDX	Pre-	-ISO 17072-1:2019
		Content	ICP /AAS	shipment	ASTM D6715-13
		Formaldehyde	UV	Pre-	-ISO 17226-2:2018
		Content	Spectrophotometer	shipment	
		Dye Test	GC-MS	Pre- shipment	-ISO 15701:2022
		Heat Resistance	Climatic Cabinet	Pre-	-ISO 17233:2017
		Inspection		shipment	
		Flame	Flammability Tester	Pre-	-ISO 11640:2018
		Resistance		shipment	
		Inspection			
		Color / Washing	Aging Cabinet	Pre-	-ISO 105 Series
		/ Sweat /	Washing Machine	shipment	



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Rubbing Fastness			
Surface Appearance Inspection Azodyes	Microscope	Pre- shipment	-ISO 20433:2024
Pesticide Residue Analysis	GC-MS /HPLC -GCMS-MS	Pre- shipment	-ISO 17234-1:2020 EN 14362-1:2017
Chromium VI content	UV Spectroftometer	Pre- shipment	-ISO 13365:2020
Content Inspection	FTIR	Pre- shipment	-ISO 17075-1:2017
Persistent Organic Preservatives (POPs) Inspection	GC-MS	Pre- shipment	-ISO 20387:2018 -ISO 18219-1:2021
VOC Inspection	GCMS	Pre- shipment	-ISO 16000-6:2021 ISO 16000-9:2024 ISO 16000-3:2022
Phthalate Inspection	GCMS	Pre- shipment	-ISO 14389:2022 The General Product Safety Directive (GPSD) (2001/95/EC)



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<u>С</u> С	05a	Leather and leather products	Final Product Inspection				
С	06	Wood and wood products	Final product Inspection	Density and Weight Inspection	Densitometer	Pre- Shipment	ASTM D2395-17
				Moisture Content Inspection	Moisture Meter	Pre- shipment	-ISO 13061-1:2014 -ASTM D4442-20
				Flexural Strength	Flexural Strength Tester	Pre- shipment	ASTM D198-22a



Compressive Strength	Compressive Strength Test Equipment	Pre- shipment	ASTMD198-22a
-ensile Strength	Tensile Strength Test Equipment	Pre- shipment	ASTM D143-23
Surface Hardness	Hardness Tester	Pre- shipment	ASTMD198-22a
Impact Resistance	Impact Tester	Pre- shipment	ASTM D1037-12 -EN 71 series Toy Safety Directive 2009/48/EC
Formaldehyde Emission Inspection	-HPLC -UV Spectrofhotometer	Pre- shipment	-ISO 12460-3:2023 -ASTM E1333-22
Heavy Metal Inspection	-EDX -ICP-MS -AAS	Pre- shipment	ISO 17294-2:2023 ASTM D6357-21b -EN 71 series Toy Safety Directive 2009/48/EC
Polish and Paint Inspection	-Microscope -Scratch Tester	Pre- shipment	-ISO 4628-1:2016 -ASTM D3359-23



				Flammability Inspection	Flammability test equipment	Pre- shipment	-ISO 11925-2:2020 -ASTM E84-23d -89/106/EEC Building Materials Regulation
				TGA Inspection	Dsc&TGA	Pre- shipment	-ISO 11358-1:2022 -ASTM E1131-20
С	06	Wood and wood products	Final product Inspection	Decay Resistance Inspection	Climatic Cabinet	Pre- shipment	ASTM D2017-05
D	07b	Paper Product	Final Product Inspection	Mass Inspection	Balance	Pre- shipment	-ISO 536:2019 ASTM D646-03a
				Thickness Inspection	Caliper Meter	Pre- shipment	-ISO 534:2011 ASTM D645-97
				Moisture Content Inspection	Moisture Meter	Pre- shipment	-ISO 287:2017 ASTM D644
				Tensile Strength Examination	Tensile Strength Tester	Pre- shipment	-ISO 1924-2:2008 ASTM D828-22
				Explosion Resistance Examination	Bursting Strength Tester	Pre- shipment	ISO 2758:2014 ASTM D774-97



				Tear Strength Examination	Tear strength Tester	Pre- shipment	-ISO 1974:2012 ASTM D689-17
				Folding Strength Examination	-Folding Endurance Tester	Pre- shipment	-ISO 5626:1993 ASTM D2176-16
				Puncture Resistance Examination	Puncture Test Equipment	Pre- shipment	ISO 3036:1975
				Color Inspection	Colorimeter	Pre- shipment	ISO 2470-1:2016
				Opacity Inspection	Hazemeter	Pre- shipment	ISO 2471:2008
				Gloss Inspection	Glossmeter	Pre- shipment	ASTM D1223
				Ash Content	Muffle furnace	Pre- shipment	ISO 2144:2019
D	07b	Paper Product	Final Product	Cellulose Content	FTIR	Pre- shipment	ISO 638-1:2022
			Inspection	Air Permeability Inspection	Air Permeability Teste	Pre- shipment	-ISO 5636-3:2013
				Water Absorption Capacity	COBB Tester	Pre- shipment	-ISO 535:2023
				Friction Strength	Friction Tester	Pre- shipment	ASTM D4917-97



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				Surface roughness	Smoothness Tester	Pre- shipment	ISO 5627
				Edge Crush Strength	ECT Test Equipment	Pre- shipment	ISO 3037:2022
				Compressin Strength Examination	Compression Strength Test Equipment	Pre- shipment	ISO 2493-2:2020 ASTM D642 ISO 12048
C	Chemicals, chemical products	Final Product Inspection	Purity Analysis	HPLC GCMS	Pre- shipment	-ASTM E168-16	
		and fiber		рН	pH Meter	Pre- shipment	ASTM E70-24 ISO 10523:2008
				Intensity	Densitometer	Pre- shipment	-ASTM D4052-22
				Viscosity	Viscometer	Pre- shipment	-ASTM D445-24
				Melting Boiling Point	Melting Point Tester	Pre- shipment	-ASTM E794-06 ASTM D86-23ae1
				Flash Point	Closed/ opened Cub Tester	Pre- shipment	-ASTM D92-18 ISO 13736:2021
				Chemical Reactivity and stability testing	TGS DSC Microscobic FTIR	Final packing	-ASTM E2552-23



Elemental Analysis	FTIR EDX	Final packing	ISO 10993-18:2020
Fiber Length and strength analysis	Tensile Strenght Tester length measuring equipment	Final packing	-ASTM E1019-18 ISO 15350:2000
Moisture content and absorption test	Moisture Meter	Final packing	-ASTM D3822-14 ISO 5079:2020
Thermal stability and melting point	DCS TGA	Final packing	-ASTM D2495-07
Chemical resistance and environmental durability	Cabins	Final packing	-ASTM D3418-18 ISO 11357-3:2018
Flammability	LOI Tester	Final packing	-ASTM B534-20 ISO 1817:2024
Active Ingredient Content	Titration Tester pH Meter	Final packing	-ASTM D2863-23 ISO 4589-1:2017



				Cleaning Activity	Washing Machine	Final packing	-ISO 2271-1989 -ISO 6330:2021
				Biodegradability	Mineral Cup	Final packing	OECD 301 ISO 7827:2010
				Stability	Cabin	Final packing	-ASTM D1886-14 ISO 4311:1979
				Microbiological analyzes	Autoclave Colony counter	Final packing	-ISO 21149:2017 ISO 16212:2017
D	12	Chemicals, chemical products	Final Product Inspection	Skin irritation and allergy examination	Artificial tissue	Final packing	-ISO 10993-10:2021 OECD 439
		and fiber		Antioxidant activity examination	Spectrophotometer microplate reader	Final packing	-ISO 12787:2011
				Content analysis	FTIR	Final packing	-ASTM E1252-98 EC/1223/2009 Cosmetics Directive Federal Food, Drug, and Cosmetic Act
				Ecological production process		Final packing	REACH Regulation (EC 1907/2006)





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					Ultraviolet and Visible		
				Nitrosamines Impurities	-LCMS-MS	Final packing	-Guidance for Industry: Control of Nitrosamine Impurities in Human Drugs (September 2020
D	13 (Pharmace uticals)	Pharmaceu ticals	Final Product Inspection	-pH measurement	pH meter	Final packing	BS 1647-2:1984
				Density measurement	Density meter	Final packing	ASTM D792-20
				Humidity measurement	Humidity Equipment	Final packing	ASTM D2216-19
				Particle Size Analysis	Laser Diffraction	Final packing	ISO 13320:2020 ISO 21501 2:2019
				Stability test	Climatic cabinet	Final packing	-Ph. Eur. Chapter 2.9.17 - Stability Testing of Medicinal Products
				Elemental Impurities	ICP-MS	Final packing	Ph. Eur. Chapter 5.1.1 - Methods of Preparation of Sterile Products



							-USP <233>
				Ethylene oxide analysis	GC-MS HPLC GCMS-MS	Final packing	-ISO 10993-7:2008 -ISO 11135:2014
				Residual Solvent Analyzes	GC-MS HPLC GCMS-MS	Final packing	 -ICH Q3C guideline 93/42/EEC Medical Device Regulations (MDD) 2017/745 Medical Device Regulations (MDR) 2017/746 Medical Device Regulations (IVDR) EC 1223/2009 Cosmetic Draduate Degulation
							Products Regulation
D	14a	Rubber Products	Final Product Inspection	Hardness Examination	Hardness Test Equipment	Pre- shipment	-ASTM D2240-15



D	14a	Rubber Products	Final Product Inspection	Wear Resistance Examination	Taber Test machine	Final packing	-ASTM D5963-22 ISO 4649:2017
				-Tensile Strength Examination	-Tensile Strength Test Machine	Final packing	-ASTM D412-16 ISO 37:2024
				-Tear Strength Examination	-Tear Strength Test machine	Final packing	ASTM D624-00 ISO 34-1:2022
				Compression Inspection	Compression Strength Machine	Final packing	-ASTM D395-18 ISO 815-1:2019
				Chemical Resistance Examination	Chemicals	Final packing	-ASTM D471-16a ISO 1817:2022
				Aging Examination	Aging cabinet	Final packing	-ASTM D573-04 ISO 188:2023
				Ozone Resistance Examination	Ozone Cabinet	Final packing	ASTM D1149-18 ISO 1431-1:2022
D	14b	Plastic Products	Final Product Inspection	Wear Resistance Examination	Wear Resistance test equipment	Pre- shipment	ASTM E96/E96M-24



				Tensile Strength Examination	-Taber Test machine -Tensile Strength Test Machine	Final packing	-ISO 527-2:2012 ISO 179-1:2023 ISO 180:2023 ASTM D638-22
				Compression Inspection	Compression Strength Machine	Final packing	-ASTM D696-16 ISO 604:2002
				Chemical Resistance Examination	Chemicals	Final packing	ASTM D543-21 ISO 175:2010
				Aging Examination	Aging cabinet	Final packing	-ISO 4892-2:2013 ISO 4892-3:2016
				Thermogravi metric Inspection	TGA	Final packing	ASTM E1131-20 ISO 11358-1:2022 ISO 11358-2:2021
				DCS Inspection	DCS	Final packing	-ASTM D3418-21 ISO 11357-1:2023
				Flexural Strength	Flexural Strenght Test Machine	Final packing	-ASTM D790-17 ISO 178:2019
D	14b	Plastic Products	Final Product	Impact Resistance	Izod and Charpy Test Equipment	Final packing	-ASTM D256-23e1 ISO 179-1:2023



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Inspection Vicat Equipment Vicat Softening Final -ASTM D1525-17e1 point packing ISO 306:2022 HDT Test Thermal Final -ASTM D648-18 distortion ISO 75-1:2020 Equipment packing Temperature ISO 1133-1:2022 /MVR-MFR Light Haze meter Final -ASTM D1003-21 transmittance packing ISO 14782:2021 **REACH Regulation (EC** and turbidity 1907/2006) inspection Color L,a,b Equipment Final -ASTM D2244-23 ISO 11664-4:2019 packing measurement Final Density and Densitometer -ASTM D792-20 balance ISO 1183-2:2019 packing water absorption ASTM D570-22 inspection ISO 62:2008 Flammability Test Final **RoHS 3 Directive** Flammability Equipment packing 2015/863 **CLP** Regulation No 1272/2008





				Vickers Hardness	Vickers Hardness Equipment	Pre- shipment	ASTM E92-23
				Analysis of Carbon and Low-Alloy Steel	Atomic Emission Spectrometry	Pre- shipment	ASTM E415-21
				Chemical Composition	AAS XRF	Pre- shipment	ISO 14284:2022
				Tensile Testing	Tensile Testing Equipment	Pre- shipment	EN 10002-1:2001
				Fatigue Test	Fatigue Test Equipment	Pre- shipment	ASTM E466-21 ISO 1099:2017
				Corrosion Test	Pitting and Crevice Corrosion	Pre- shipment	ASTM G48-11
				Aluminum and Aluminum-Alloy Extruded Bars	AAS ICP	Pre- shipment	ASTM B221-21
F	17b	Fabricated Metals Products	Final products Inspection	Mechanical Testing of Steel Products	Impact test equipment	Pre- shipment	ASTM A370-24
				Tension Testing	Tensile strength Equipment	Pre- shipment	-ASTM E8/E8M-24


				Brinell Hardness	Brinell Hardness Equipment	Pre- shipment	-ASTM E10-18
				Rockwell Hardness	Rockwell Hardness Equipment	Pre- shipment	-ASTM E18-22
				Vickers Hardness	Vickers Hardness Equipment	Pre- shipment	-ASTM E92-23
				Tensile Testing	Tensile Testing Equipment	Pre- shipment	-ISO 6892-1:2019
				Brinell Hardness Test	Brinell Hardness Test Equipment	Pre- shipment	-ISO 6506-1:2014
				Rockwell Hardness	Rockwell Hardness Equipment	Pre- shipment	-ISO 6508-1:2023
				Vickers Hardness	Vickers Hardness Equipment	Pre- shipment	ISO 6507-1:2023
F	17b	Fabricated Metals	Final products	Bend Tests	Bend Tests Equipment	Pre- shipment	-ISO 5173:2023
		Products	Inspection	Tensile Testing	Tensile Testing Equipment	Pre- shipment	EN 10002-1:2001



				Fatigue Test	Fatigue Test Equipment	Pre- shipment	-ASTM E466-21 ISO 1099:2017
				Salt Spray Testing	Cabinet salt cabinet	Pre- shipment	-ISO 9227:2022
				Carbon Structural Steel	AAS	Pre- shipment	ASTM A36/A36M-19
				Chromium- Nickel Stainless Steel	AAS ICP	Pre- shipment	-ASTM A240-24
				Aluminum and Aluminum-Alloy Extruded Bars	AAS ICP	Pre- shipment	-ASTM B221-21
F	18	Machinery and Equipment	Final Product Inspection	Visual İnspection	Microscope Endoscope borescope Digital Camera Control Panels sensors simulators Data collection Systems	Pre- shipment	-ISO 17637:2016 EN 13018:2016



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			Functional Inspection		Pre- shipment	-ISO 12100:2010 EN 60204-1:2016
			Dimension İnspection	Caliper Micrometer Height gage Coordinator measuring machines	Pre- shipment	-ISO 2768-1:1989 ISO 286-1:2010
			Pressure Inspections	Hydraulic and pneumatic inspection equipment pressure transducers test tanks security cage	Pre- shipment	-ISO 4126-1:2013 EN 13445:2021
			Load Test	Load cells and force transducers test cranes and lifting systems	Pre- shipment	-ISO 12482:2014
F	18	Final Product	Corrosion Inspection	-limatic Cabinet Salt-fog Cabinet	Pre- shipment	-ISO 9227:2022 ASTM B117-19



	Inspection	Vibration and acoustic inspections	Decibel meter acceleration device Vibration Machine	Pre- shipment	-ISO 10816-7:2009 ISO5349-2:2001 ISO 3744:2010
Machinery and		Electrical safety inspections	Insulation Inspection Equipment Grounding Resistance Meter Multimeter Multi Electrical Safety test Equipment	Pre- shipment	-IEC 60204-1:2016 ISO 13849-1:2023 IEC 60325:2002
Equipment		Welding Inspections	Ultrasonic tester liquid penetrant tester radiographic testing equipment	Pre- shipment	ISO 17635:2016 EN 287-1:2011
		Aging Inspections	Climatic cabin UV cabinet Aging Cabin	Pre- shipment	-ISO 188:2023 ASTM D573-04 Machinery Directive 2006/42/ECE



							2014/68/EU Pressure Equipmet Directive
							2014/33/EU Lift Directive
F	19a	Electrical Equipment	Final product inspection	Insulation Resistance Inspection	Insulation resistance tester	Pre- shipment	-IEC 61557-2:2019 ASTM D257-14
				Grounding Resistance	Ground resistance meter multimeter		-IEC 60364-6:2016 IEC 60335-1:2020
				Leakage Current	Leakage Current Equipment	Pre- shipment	-IEC 60990:2016 UL 943
F	19a	Electrical Equipment	Final product inspection	Dielectric Strength	Hipot Test Equipment	Pre- shipment	-IEC 60204-1:2016 UL 61010-1
				Circuit Continuity	Multimeter Continuity Test Equipment	Pre- shipment	-IEC 61557-4:2019 ASTM F150-06 ASTM D149-20
				Power and Energy Measurement	Power meter Multi tester	Pre- shipment	-IEC 62053-21:2020
				Lamp fixture Efficiency Test	Goniometer	Pre- shipment	-IEC 62722-1:2022



LVD Tests	Multi tester	Pre- shipment	-2014/35/EU LVD IEC 60335-1:2020 EN 61010-1:2010 MIL STD 704
Photobiological Safety Inspection	UV and IR Equipment	Pre- shipment	-EN 62471:2008
EMC Tests	Signal generator power meter amplifier oscilloscope antenna lisn	Pre- shipment	-IEC 61000 Series CISPR 22:2008 CISPR 35:2016 MIL STD 461 ECE R10 RTCA DO 160G Section 20 Section 19 Section 21 Section 16
Eco Design Inspection	Multi tester	Pre- shipment	-2019/125/EC Eco Design Regulation
Energy Performance Assessment	Multi tester	Pre- shipment	-2010/31/EU Regulation



				Energy Labeling		Pre- shipment	2017/1369/EU regulation -2004/108/EC directive 89/336/EEC33
				Grounding Resistance	Ground resistance meter multimeter	Pre- shipment	-IEC 60364-6:2016 IEC 60335-1:2020
				Leakage Current	Leakage Current Equipment	Pre- shipment	-IEC 60990:2016 UL 943
F	19a	Electrical Equipment	Final product inspection	Dielectric Strength	Hipot Test Equipment	Pre- shipment	-IEC 60204-1:2016 UL 61010-1
				Circuit Continuity	Multimeter Continuity Test Equipment	Pre- shipment	-IEC 61557-4:2019 ASTM F150-06 ASTM D149-20
				Power and Energy Measurement	Power meter Multi tester	Pre- shipment	-IEC 62053-21:2020
				Lamp fixture Efficiency Test	Goniometer	Pre- shipment	-IEC 62722-1:2022
				LVD Tests	Multi tester	Pre- shipment	-2014/35/EU LVD



Photobiological Safety Inspection	UV and IR Equipment	Pre- shipment	IEC 60335-1:2020 EN 61010-1:2010 MIL STD 704 -EN 62471:2008
EMC Tests	Signal generator power meter amplifier oscilloscope antenna lisn	Pre- shipment	-IEC 61000 Series CISPR 22:2008 CISPR 35:2016 MIL STD 461 ECE R10 RTCA DO 160G Section 20 Section 19 Section 21 Section 16
Eco Design Inspection	Multi tester	Pre- shipment	-2019/125/EC Eco Design Regulation
Energy Performance Assessment	Multi tester	Pre- shipment	-2010/31/EU Regulation
Energy Labeling		Pre- shipment	2017/1369/EU regulation -2004/108/EC directive



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F	19b	Optical and Precision Equipment	Final Product Inspection	Thermal Imaging	Thermal Camera	Pre- shipment	89/336/EEC33 -ISO 18434-1:2008 ASTM E1934-99a
				Optical measurements	Lux meter Photometer	Pre- shipment	-LM79-19 LM82-20 CIE127-1997
F	19b	Optical and Precision Equipment	Final Product Inspection	Color temperature and Color Index Measurement	Spectrophotometer Colorimeter	Pre- shipment	-CIE 13.3-1995 LM79-19
				Spectral Distribution Test	Spectrophotometer	Pre- shipment	-CIE 15-2018 ISO 3664:2009
				Transmission and Reflection Tests	Spectrophotometer	Pre- shipment	-ASTM E903-20 ISO 9050:2003
				Noise Measurements	Decibel Meter	Pre- shipment	-RED Directive 2014/53/EU ISO 3746:2010 ANSI S12.10



Environmental Inspection	Dust and Sand Cabinet Salf-Fog Cabinet Solar Radiation Cabinet Climatic Cabinet Altitude Cabinet	Pre- shipment	-MIL STD 810G MIL STD 810H RTCA DO 160G Section 4,5,6,7,8,10,11,12,13,14.
Flammability Inspection	Flammability Inspection Equipment	Pre- shipment	-EN 45545-2:2020 ECE R118 IEC 60695-2-10:2021 IEC 60695-2-11:2021 IEC 60695-2-12:2021 IEC 60695-2-2:1991 IEC 60332-1-2:2004 IEC 60332-3-24:2018 2014/35/EU LVD Regulation
Energy Labeling	Decibel Meter Multi tester	Pre- shipment	-Automotive Standards(PSA,FORD,PEU GEOT,CITROEN,VOLVO,IV ECO,MERCEDES,DBL,TESL A etc) IEC 60825-1:2014



				Optical measurements	Lux meter Photometer	Pre- shipment	-LM79-19 LM82-20 CIE127-1997
F	19b	Optical and Precision Equipment	Final Product Inspection	Color temperature and Color Index Measurement	Spectrophotometer Colorimeter	Pre- shipment	-CIE 13.3-1995 LM79-19
				Spectral Distribution Test	Spectrophotometer	Pre- shipment	-CIE 15-2018 ISO 3664:2009
				Transmission and Reflection Tests	Spectrophotometer	Pre- shipment	-ASTM E903-20 ISO 9050:2003
				Noise Measurements	Decibel Meter	Pre- shipment	-RED Directive 2014/53/EU ISO 3746:2010 ANSI S12.10
				Environmental Inspection	Dust and Sand Cabinet Salf-Fog Cabinet Solar Radiation Cabinet Climatic Cabinet	Pre- shipment	-MIL STD 810G MIL STD 810H RTCA DO 160G Section 4,5,6,7,8,10,11,12,13,14.



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					Altitude Cabinet		
				Flammability Inspection	Flammability Inspection Equipment	Pre- shipment	-EN 45545-2:2020 ECE R118 IEC 60695-2-10:2021 IEC 60695-2-11:2021 IEC 60695-2-12:2021 IEC 60695-2-2:1991 IEC 60332-1-2:2004 IEC 60332-3-24:2018 2014/35/EU LVD Regulation
				Energy Labeling	Decibel Meter Multi tester	Pre- shipment	-Automotive Standards(PSA,FORD,PEU GEOT,CITROEN,VOLVO,IV ECO,MERCEDES,DBL,TESL A etc) IEC 60825-1:2014
F	19c	Medical and	Final Product	Energy labeling	Multi tester	Pre- shipment	-IEC 60601-1:2024



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		Surgical Equipment	Inspection				
F	19c	-In vitro diagnostic medical devices inspection and measuring and type approval	Final Product Inspection	In vivo Implants/medic al device Inspection	Sterilization Devices (Autoclave, gas plasma sterilizers, etc.) Biological Evaluation Equipment (Cell culture incubators, cytotoxicity test systems, etc.) Physical Testing Equipment (Tensile and compression testing machines, surface analyzers, etc.) Chemical Analysis Equipment (Mass spectrometer, gas chromatography, etc.) Mechanical Testing Equipment (Fatigue testers, tribological	Pre- shipment	- EN ISO 14630:2012 ASTM F748-16 ISO 5832 series ISO 5834 series ISO 11607-1:2019 EN ISO 7206 series



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					testing machines, etc.) DSC TGA		
F	19c	Medical and Surgical Equipment	Final Product Inspection	In Vitro Implants/ medical devices Inspection		Pre- shipment	-ISO 14971:2019 ASTM F2182-19e2 ISO 22442-1:2020 ISO 15223-1:2021 ISO 10993-12:2021 ASTM F756-17 ISO 14155:2020
F	19c	Medical and Surgical Equipment	Final Product Inspection	Inspiratory/ breathing apparatus inspection	Ventilator test equipment, flow and pressure sensors, gas analyzers Sleep apnea devices, pressure and flow testing systems, patient simulators Spirometers Particle counting devices, aerosol generators, filtration testers	Pre- shipment	- ISO 80601-2-12:2023 ISO 17510:2015 ISO 80601-2-55:2018 EN 13544-1:2007 ISO 23328-1:2003 ASTM F2100-23 ISO 21969:2009 ISO 80601-2-13:2022 ISO 10651-4:2023 EN 794-3:1998 ISO 80601-2-70:2020 ASTM F1100-90 ISO 10651-5:2006 EN 13544-2:2002



							ISO 23328-2:2002
F	19c	Medical and Surgical Equipment	Final Product Inspection	Drug inspection	HPLC GCMS-MS LCMS FTIR UV spectrophotometer TGA NMR Spectrophotometer	Pre- shipment	-ISO 22412:2017 ISO 13099-1:2012 ASTM E1323-15 ISO 10993-18:2020
				Allergen Inspection	ELISA HPLC GC-MS PCR Particle Analyzer	Pre- shipment	- EN 13704:2018 ASTM D6978-05
				Microbiological inspection	Microscope Autoclave Colony Counting Devices PCR (Polymerase Chain Reaction) Devices ELISA	Pre- shipment	- ISO 4833 series ISO 11731 series ISO 21528-1:2017 ISO 21528-2:2017 ASTM D5465-16 ISO 14698-1:2003 ISO 14698-2:2003 ISO 6579-1:2017 ISO 11290-1:2017



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							ISO 11290-2:2017 ISO 9308 series ISO 16266:2006 ISO 15216-1:2017 ISO 15216-2:2019 ASTM D5465-16 USP 71 USP 61 USP 85
F	19c	Medical and Surgical Equipment	Final Product Inspection	Mask and Gloves Inspection	Bacterial Filtration Efficiency (BFE) Testing Devices Particle Filtration Efficiency (PFE) Testing Devices Synthetic Blood Penetration Testing Devices Puncture Resistance Tester Tensile and Tension Testing Machine Tightness Tester	Pre- shipment	- EN 14683:2019 ASTM F2100-21 ISO 22609:2004 EN 149:2001 EN 455 series ASTM D3577-19 ASTM D3578-19 ISO 11193-1:2020 ASTM D6978-05 ISO 16604:2004 ASTM D5151-19 ASTM F739-20 ASTM F2299-24 ISO 22612:2005 ASTM D5712-15

			Schedul	e of Accrea	Hydrostatic Pressure Tester Synthetic Blood Penetration Tester Bacteriophage Penetration Tester Liquid Barrier Performance Tester Particle Filtration Tester Microbial Penetration Tester	Pre- shipm	Rev. No Effectiv Page: 4	o. : UAF-F-041 p.:RV-01 ve Dt : 09-01-2019 47 - ISO 16603:2004 ISO 16604:2004 ASTM F1670-24 ASTM F1671-22 ISO 22610:2018 ISO 13994:2005 ASTM F903-18 ASTM D5587-15 ASTM D1683-22 ISO 9073-10:2003 NFPA 701 ISO 20743:2021 ASTM F2299-24
F	19c	Medical and Surgical Equipment	Final Product Inspection	Shelf life inspection	Aging Cabinet Permeation Test Apparatus Chemical Resistance Chambers HLPC GC-MS Thermal Cycling Chambers Moisture Analyzer Refractometers	Pre- shipm	ent	- ASTM F1980-21 ISO 11607-1:2019 ISO 11737-2:2019 ISO 11137-1:2006 ASTM D638-22 ASTM F1635-16 ISO 10555-1:2023 ISO 18369-2:2017 ISO 80601-2-56:2017 ASTM E96-24 ISO 14937:2009



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			1	
	Biodegradability Inspection	Composting Reactors bioreactors CO2 Measuring Devices incubator	Pre- shipment	- EN 13432:2000 EN 14995:2006 ISO 14855-1:2012 ISO 16929:2021 ISO 17556:2019 ASTM D5338-15 ASTM D6400-23 ASTM D6866-24 OECD 301 OECD 302 OECD 310 Regulation (EU) 2017/746 IVDR Directive 93/42/EEC Medical Device Regulations (MDD) 2017/745 Medical Device Regulations (MDR)
				Regulations (MDR)
				98/79/EC Invitro Diagnostic Directive



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90/385/EEC Active **Implantable Medical Devices Regulation** -Magnifying glass Pre-F 22 Other Final Visual -ISO 9927-1:2013 İnspection Product Shipment Transport -Endoscope Inspection Equipment F 22 Data collection Pre-Other Final Functional ISO 3691-1:2011 Product ISO 22915- :2024 Transport Examination systems shipment Equipment Inspection -Load cells Pre-ISO 12482:2014 Load Inspections shipment ISO 9927-1:2013 -Hydraulic or mechanical loading devices **Electrical Safety** Megger Multi Tester Pre--IEC 60204-1:2016 Inspections ISO 3691-1:2011 shipment Hydraulic Hydraulic Pressure Pre-ISO 4413:2010 System **Testing Equipment** shipment ISO 4406:2021 Inspections Tightness Tester ISO 4407:2002 ISO 16232:2018 Brake Dynamo Meter Pre-Inspections -ISO 6292:2020 shipment ISO 3691-1:2011



				Structural Integrity Inspections	-Magnetic particle testing devices -Ultrasonic testing equipment	Pre- shipment	-ISO 9934-1:2016
				Operator safety and ergonomics evaluation	Meter	Pre- shipment	-ISO 10263-1:2009 ISO 5353:1995
				Performance Test	Speed and force sensors	Pre- shipment	ISO 22915-1:2024 ISO 3691-1:2011
G	16	Concrete,c ement,lime ,plaster,etc -Physical- mechanical properties and safety of products	Final Product Inspection	Compressive Strength Inspection	Pressure Test Equipment	Pre- shipment	-ASTM C39-23 EN 12390-3:2019



G	16	Concrete,c ement,lime ,plaster,etc	Final Product Inspection	Flexural Strength Inspection	Flexural Strength Equipment	Pre- shipment	-ASTM C78-22 EN 12390-5:2019
		-Physical- mechanical properties		Tensile Strength Inspection	Tensile Strength Equipment	Pre- shipment	-ASTM C496-17 EN 12390-6:2022
		and safety of products		Ultasonic Pulse Velocity Inspection	Ultrasonic Impact Speed Equipment	Pre- shipment	-ASTM C597-22 EN 12504-4:2021
				Water Absorption Inspection	Balance	Pre- shipment	- EN 12390-7:2019
				Carbonation Inspection	Chemicals	Pre- shipment	-EN 13295:2004
				Expansion Inspection	Oto clave	Pre- shipment	-ASTM C151-23 EN 196-3:2016
				Chemical Inspection	Titration Equipment	Pre- shipment	-ASTM C25-19e1 EN 459-2:2021 -ASTM C110-20 EN 459-2:2021



-Activity Inspection -Volume Expansion Inspection	- Reactivity meter -Expansion Measurement	Pre- shipment	-EU 305/2011 Construction Materials Directive 89/106/EEC Construction Materials Directive
Flammability	Flammability Tester -Vertical-Horizontal Tester	Pre- shipment	IMO Res.A.653:1989 IMO Res. MSC.307:2015 IMO FTP Code part 1- 5:2010 DIN 4102-1:2016 EN 13501-1:2019 EN 13501-2:2023 EN 13501-2:2023 EN 13501-3:2015 EN 13501-4:2016 EN 13501-5:1016, UL 94:2018 NF P92-501-7-12:1995 ASTM E 84:2023 ASTM E119:2020 EN 45545-2+A1:2023
			REG 305/2011



G	24	Recycling	Final Product Inspections	Recovery of Recycling Plastics	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	ISO 15270
				Recycled Polymeric Materials and Products	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	EN 15344
G	24	Recycling	Final Product Inspections	Recycling and Use of Recycled Plastics	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers	Pre- Shipment	EN 15344



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					Ash Content ICP-MS TGA		
				Plastic Manufactured Articles for Resin	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	ASTM D7611-21
G	24	Recycling	Final Product Inspections	Recycled Content	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	EN 15343:2007
				Packaging Recoverable	FTIR DSC GPC XRF	Pre- Shipment	EN 13430:2004



					SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA		
G	24	Recycling	Final Product Inspections	Manufacturer and Recyclers and for Recyclability	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	IEC 62635:2012
				Rate Calculation of Electrical and Electronic	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	IEC 62635:2012



G	24	Recycling	Final Product Inspections	Marking of Plastics Products	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	-ISO 11469:2016
				Material Recycling	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers Ash Content ICP-MS TGA	Pre- Shipment	ISO 18604:2013
G	24	Recycling	Final Product Inspections	Packaging recoverable through composting and biodegradatio	FTIR DSC GPC XRF SEM Rockwell Brinell Vickers	Pre- Shipment	EN 13432



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					Ash Content ICP-MS TGA		
Н	25	Electricity supply	Final product inspection	Insulation Resistance inspection	Insulation Resistance testing equipment	Pre- shipment	-IEC 60076-1:2011 IEC 60840:2020 IEC 62271:2024 IEC 60529:1989 IEC 60364-1:2005
				High Voltage supervision	High Voltage tester	Pre- shipment	-IEEE C37.11-2022 IEEE 80-2000 IEEE 81-2012
				Thermal Imaging examination	Thermal Imaging tester	Pre- shipment	-ANSI C84.1-2020 ANSI C57.1
Н	25	Electricity supply	Final product inspection	Grounding Resistance inspection	Grounding Resistance measurement equipment	Pre- shipment	-EN 50160:2010 EN 60947-1:2020 EN 62305-1:2011
				Circuit Breaker inspection Protection Relay inspection	-Circuit Breaker test equipment Protection Relay tester	Pre- shipment	-EN 50160:2010 EN 60947-1:2020 EN 62305-1:2011
Н	26	Gas Supply		Pressure İnspections	-Pressure Testing Equipment	Pre- Shipment	EN 1594:2024 EN 1776:2015



Final Product		-Gas Leak Detectors -Flowmeters		EN 12327:2013
Inspections	Gas Leak	-Pressure Testing	Pre-	API 1104
	İnspections	Equipment	Shipment	API 1169
		-Gas Leak Detectors		
		-Thermal Imaging Cameras -Flowmeters		
	Ultrasonic Examination	Ultrasonic Testing Equipment	Pre- Shipment	-ASME B31.8 ASME IX EN 15001-1:2022 EN 331:2015 EN 437:2021 EN 10208-1:2009 EN 12327:2012 EN 12186:2014 EN 1775:2007 ASTM D2513-20 ASTM F 1924-19 ASTM F2897-23a ASTM D2992-24 ISO 4437-1:2024
				ISO 14531-1:2002 ISO 23251:2019 ISO 6976:2016



							ISO 17089-1:2019
H	27	Water supply	Final product inspection	Pressure inspection	Pressure Testing Equipment	Pre- shipment	-ISO 4064-1:2014 ISO 4427-1:2019 ISO 24512:2024 ISO 15874-1:2013
				Leak tightness inspection	Tightness Testing Devices	Pre- shipment	-EN 805:2000 EN 12201-1:2011 EN 1717:2000 EN 545:2010 EN 13564-1:2002
				Insulation Resistance inspection	Insulation Resistance Testing Equipment	Pre- shipment	-ASTM D1784-20 ASTM D2241-24 ASTM F714-24 ASTM F1674-18 ASTM D3350-21
H	27	Water supply	Final product inspection	Hydrostatic pressure inspection	Hydrostatic Test Equipment	Pre- shipment	AWWA C600 AWWA C605 AWWA C 652 AWWA C700 AWWA C900
Н	28	Constructio n (-Building	Final product inspection	Compressive Strength Inspection	Pressure Test Equipment	Project completion	-ASTM C39-23 EN 12390-3:2019



-Sewer line Bituminous material -Composite	Flexural Strength Inspection	Flexural Strength Equipment	In-process	-ASTM C78-22 EN 12390-5:2019
materials (constructi on products	Tensile Strength Inspection	Tensile Strength Equipment	In-process	-ASTM C496-17 EN 12390-6:2022
and building elements)	Ultrasonic Pulse	Ultrasonic Impact Speed Equipment	In-process	-ASTM C597-22 EN 12504-4:2021
	Velocity Inspection	Balance	In-process	-EN 12390-7:2019
	Water Absorption Inspection	Chemicals	In-process	-EN 13295:2004
	Expansion Inspection	Autoclave	In-process	-ASTM C151-23 EN 196-3:2016
	Chemical Inspection	Titration Equipment	In-process	-ASTM C25-19e1 EN 459-2:2021
	-Activity Inspection	- Reactivity meter	In-process	-ASTM C110-20 EN 459-2:2021



-Volume Expansion Inspection	-Expansion Measurement		Construction Material Directive -89/106/EEC Construction Material Directive
Flammability	Flammability Tester	Final packing	-IMO Res. MSC.307:2015 IMO FTP Code part 1- 5:2010 DIN 4102-1:2016 EN 13501-1:2019 EN 13501-2:2023 EN 13501-2:2023 EN 13501-3:2015 EN 13501-4:2016 EN 13501-5:1016, UL 94:2018 NF P92-501-7-12:1995 ASTM E 84:2023 ASTM E119:2020 EN 45545-2+A1:2023 Automotive Standards(PSA,FORD,PEU GEOT,CITROEN,VOLVO,IV ECO,MERCEDES,DBL,TESL A etc)



H	28	- Constructio n (-Building -Sewer line Bituminous	Final product inspection	Aging /Environmental Inspections	-Vertical Tester -Horizontal Tester -Acceleration cabinet	Final packing	-EN 60068 series ISO 4892-2:2013 ISO 4892-3:2016 ASTM G154-23
		material -Composite materials (constructi on		Sound Insulation Inspection	Decibel Meter	Final packing	-ISO 140-4:1998 ISO 16283-1:2014 ISO 717-1:2020 ASTM E90-23
		products and building elements))		Thermal Conductivity	Thermal conductivity Tester	Final packing	-BS 874:1965 ASTM E1952-23 ASTM D5470-17
				Thermal expansion	Dilatometer	Final packing	-ASTM E831-24 ISO 11359-2:2021 EN 14617-11:2005
I	29a	Wholesale and retail and trade	Final Product Inspections	Brake Inspection	Brake Test Equipment -Thickness Equipment	Pre- Shipment	-EN 15227:2020 ISO 611:2023
				Electrical and Electronic	-Multimeter -Oscilloscope	Pre- Shipment	ISO 7637-2



				System Inspection Mechanical Inspection	-Diagnostic Test Equipment -Tensile Strength Test Equipment -Pressure	Pre- Shipment	ASTM D642-20
					Equipment		
I	29c	Personal and Household Goods	Final Product Inspection	Electrical and Electronic System Inspection	Multi meter Oscilloscope -Diagnostic Test Equipment	Pre- Shipment	ASTM E1851-21
				Electrical Device Inspection	Safety Test Equipment -Current meter -Volt meter -Multi meter	Pre- Shipment	-ISO 60335:2020 EN 60335-1:2020 -2014/35/EU
I	29c	Personal and Household Goods	Final Product Inspection	Durability Inspection	-Salt fog cabinet Aging Cabinet	Pre- Shipment	-ISO 9227:2022 -ASTM G154-23 The General Product Safety Directive (GPSD) (2001/95/EC
				Electromagnetic compability	-Signal Generator -Spectrum Analyzer -Antennas	Pre- Shipment	-IEC 61326-1 -2014/30/EU



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					-Vector Analyzer -Harmonic Analyzer -Power Meter -Oscilloscope		
I	storage	and communica	Product Inspection	Cargo Inspection	-Shock -Vibration -Drop Test -Climatic Cabin -Acceleration	Pre- Shipment	ISTA series ASTM D4169-22 ISO 11607-1:2019 ISO 4180:2019 ISO 2234:2000 ISO 2248:1985 ASTM D5276-19 ASTM D999-08 ASTM D4728-17 ASTM D6055-96 ASTM D6179-20 EN 22874:1998 EN 15552:2008
				Storage Inspection	Climatic Cabinet	Pre- Shipment	EN 15512:2020 ISO 2233:2000 ASTM D4332-22
				Flammability Inspection	Flammability Tester	Pre- Shipment	NFPA 251
				Communication Inspections	-Spectrum Analyzer -Simulator	Pre- Shipment	-IEC 61000 series -CISPR 22



					ESD Gun		-ISO/IEC 11801 series
I	34	Engineerin g services	Final Product Inspection	Emission	Spectrum Analyzer	Pre- shipment	FCC Rules & Regulations for Title 47 47 C.F.R, Part 1-101
				Immunity	Signal Generator Immunity Generator,	Pre- shipment	ECE/UNECE Regulations
I	34	Automotive Componen ts OEM Services and Equipment Inspection and Type Approval	Final Product Inspection	Communication	EMI Sensors	Pre- shipment	FCC Rules & Regulations for Title 47, 47 C.F.R, Part 1-101
I	34	Automotive Componen	Final Product	Power Stability	Signal Generator	Pre- shipment	ECE/UNECE Regulations
			Inspection	Flammability	UV Aging	Pre- shipment	EU 2016/426 Directive
		and Equipment Inspection		Durability	Dynomometer Abrasion Tester	Pre- shipment	Scheme owner automotive certification program (GMW General



and Type Approval				Motors, Ford, Kia, PSA GRUP, Porsche, Daimler DBL, VW etc.)
	EMC	EMI Sensors, Spectrum Analyze	Pre- shipment r	ECE/UNECE Regulations FCC Rules & Regulations for Title 47, 47 C.F.R, Part 1-101
	Odor	GC-MS LC-MSMS	Pre- shipment	Scheme owner automotive certification program (GMW General Motors, Ford, Kia, PSA GRUP, Porsche, Daimler DBL, VW etc.)
	Chem	ical ICP-MS	Pre- shipment	2014/29/EU Directive
	Physic	DSC-TGA TMA DMA Dilatometer	Pre- shipment	Scheme owner automotive certification program (GMW General Motors, Ford, Kia, PSA GRUP, Porsche, Daimler DBL, VW etc.)



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J	38	Health and social work	Final Product Inspection	Mechanical and Physical Inspection	Impact Testing Machine	Pre- shipment	-EN 1176-1:2010 ASTM F1487-21
J	38	Children Playground Elements and Ground	Final Product Inspection	Rotary Equipment Inspection	Digital Tachometer	Pre- shipment	EN 1176-5:2019 ASTM F2075-20
		Arrangeme nts		Slide Inspection	Speedometer	Pre- shipment	EN 1176-3:2017 ASTM F2373-11
J	38	Children Playground Elements	Final Product Inspection	Swing Inspection	Load Tester	Pre- shipment	EN 1176-2:2017 ASTM F1487-22
		and Ground Arrangeme nts		Climbing Equipment Inspection	Stability Device	Pre- shipment	EN 1176-6:2017 ASTM F1487-21

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