

**TANZANIA STANDARDS PUBLISHED IN GOVERNMENT GAZETTE IN JANUARY-
JUNE 2019**

BUILDING AND CONSTRUCTION

1.	TZS 2211-1:2018	Code of Practice for Design and Construction of Foundations in Soils part 1: General requirements	COMPULSORY
2.	TZS 2216:2018/ ISO 11479-2:2011	Glass in building — Coated glass — Part 2: Colour of façade.	COMPULSORY
3.	TZS 2200:2018	Concrete — Specification, Performance, production and conformity	COMPULSORY
4.	TZS 2201-1:2018	Fly ash for concrete — Part 1: Definition, Specification, and conformity criteria	COMPULSORY
5.	TZS 2203-2:2018	Admixtures for concrete, mortar and grout — Part 2: Definitions, requirements, conformity, marking and labelling	COMPULSORY
6.	TZS 2204:2018	Precast concrete products — Hollow core slabs	COMPULSORY
7.	TZS 2205:2018	Mixing water for concrete – Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete	COMPULSORY
8.	TZS 1193: 2018 / EN 520:2004+A1	Gypsum plasterboards - Definitions, requirements and test Methods	COMPULSORY.
9.	TZS 2215: 2018/ISO 11479-1:2011	Glass in building — coated glass — Part 1: Physical defects	COMPULSORY.
10.	TZS 1434-1: 2018 / ISO 13007-1:2014	Ceramic tiles — Grouts and adhesives — Part 1: Terms, definitions and specifications for adhesives	COMPULSORY.
11.	TZS 1434-3: 2018 / ISO 13007-3:2010	Ceramic tiles — Grouts and adhesives — Part 3: Terms, definitions and specifications for grouts	COMPULSORY.
12.	TZS 2214:2018/ISO 13007-5:2015	Ceramic tiles — Grouts and adhesives —Part 5: Requirements, test methods,	COMPULSORY.

		evaluation of conformity, classification and designation of liquid-applied waterproofing membranes for use beneath ceramic tiling bonded with adhesives current	
13.	TZS 258: 2009	Wood — Sampling methods and general requirements for physical and mechanical testing of small clear wood specimens	VOLUNTARY
14.	TZS 2196-14: 2018/ISO 133061- 14:2016	Physical and mechanical properties of wood — Test methods for small clear wood specimens —Part 14: Determination of volumetric shrinkage	VOLUNTARY
15.	TZS 2196-16: 2018/ISO 133061- 16:2016	Physical and mechanical properties of wood — Test methods for small clear wood specimens —Part 16: Determination of volumetric swelling	VOLUNTARY
16.	TZS 2196-15: 2018/ ISO13061-15:2017.	Physical and mechanical properties of wood — Test methods for small clear wood specimens —Part 15: Determination of radial and tangential swelling	VOLUNTARY
17.	TZS 2196-13: 2018/ ISO 133061-13:2016	Physical and mechanical properties of wood — Test methods for small clear wood specimens —Part 13: Determination of radial and tangential shrinkage	VOLUNTARY
18.	TZS 339:2018/ ISO 3132:1975.	Timber – Determination of ultimate stress in compression perpendicular to grain	VOLUNTARY
19.	TZS 2208:2018/ISO 180 1972	Doors—Terminology Objective of the standard	VOLUNTARY
20.	TZS 2209:2018/ISO 6443:2005	Door Leaves — Method for measurement of Height, Width, Thickness and Squareness	VOLUNTARY
21.	TZS 2210:2018/ISO 6445:2005	Doors: Behavior between two different climates— Test methods	VOLUNTARY
22.	TZS 2212-03:2018/ ISO 17892- 3:2015(E):	Geotechnical investigation and testing — Laboratory testing of Soil —Part 3: Determination of particle density	VOLUNTARY
23.	TZS 2212-4:2018/ISO 17892-4:2015	Geotechnical investigation and testing — Laboratory testing of Soil — Part 4:	VOLUNTARY

		Determination of particle size distribution	
24.	TZS 2194-10:2018/ ISO 22477-10:2016	Geotechnical investigation and testing — Testing of geotechnical structures —Part 10: Testing of piles: rapid load testing	VOLUNTARY
25.	TZS 2195-6:2018/ ISO 17892-6:2017	Geotechnical investigation and testing — Laboratory testing of soil —Part 6: Fall cone test	VOLUNTARY
26.	TZS 1434-2: 2018 /ISO 13007-2:2013	Ceramic tiles — Grouts and adhesives — Part 2: Test methods for adhesives	VOLUNTARY
27.	TZS 2201-2:2018:	Fly ash for concrete — Part 2: Conformity evaluation	VOLUNTARY
28.	TZS 2202-1:2018 :	Test for geometrical properties of aggregates — Part 1: Determination of particle size distribution – Sieving method	VOLUNTARY
29.	TZS 2202-2:2018 size	Test for geometrical properties of aggregates — Part 2: Determination of particle distribution – Test sieves, nominal size of apertures	VOLUNTARY
30.	TZS 2202-3:2018	Test for geometrical properties of aggregates — Part 3: Determination of particle size distribution – Flakiness index	VOLUNTARY
31.	TZS 2203-1:2018	Admixtures for concrete, mortar and grout — Part 1: Common requirements	VOLUNTARY
32.	TZS 1434-4: 2018 / ISO 13007-4:2013	Ceramic tiles — Grouts and adhesives — Part 4: Test methods for grouts	VOLUNTARY.

CHEMICAL SECTION

S/No.	STANDARDS MARKS	COMMODITY	CATEGORY
1.	TZS 648:2018	Specification for limestone for chemical industries (Rev TZS 648: 2001)	COMPULSORY

2.	TZS 420-1:2018/ISO 12757-1:2016	Ball point pens and refills – Part 1: General use	COMPULSORY
3.	TZS 420-2:2018/ISO 12757-1:2010	Ball point pens and refills – Part 2: Documentary use (DOC).	COMPULSORY
4.	TZS 67:2018/ISO 269:1985	Correspondence envelopes – Designation and sizes	COMPULSORY
5.	TZS 2251:2018	Paper Towel - Specification	COMPULSORY
6.	TZS 1548-1:2018.	(Ed.2.0) Ophthalmic optics — Semi- finished spectacle lens Blanks —Part 1: Specifications for single-vision and multifocal lens blanks	COMPULSORY
7.	TZS 1548-2:2018(Ed.2.0)	Ophthalmic optics -- Semi-finished spectacle lens blanks -- Part 2: Specifications for progressive-power and degressive-power lens blanks.	COMPULSORY
8.	TZS 1534:2018 /ISO 14889:2013,	Ophthalmic optics -- Spectacle lenses – Fundamental requirements for uncut finished lenses.	COMPULSORY
9.	TZS 2259-1:2018 (Ed.1.0)	Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements	COMPULSORY
10.	TZS 2257:2018 (Ed.1.0)	Hospital based intravenous fluids- Sterilized Dextrose Injection- Specification.	COMPULSORY
11.	TZS 2258:2018 (Ed.1.0)	Hospital based Intravenous Fluids- Sterilized compound sodium lactate (Ringer-lactate solution for injection)- Specification	COMPULSORY

12.	TZS 2262:2018	Glass cleaner, liquid - Specification	COMPULSORY
13.	TZS 2298:2018	Baby toilet soap – Specification	COMPULSORY
14.	TZS 675:2018	Multipurpose automotive gear lubricant (EP) — Specification	COMPULSORY
15.	TZS 667:2018	Motor vehicles brake fluids — Specification	COMPULSORY
16.	TZS 1691:2018	Automatic Transmission Fluids (ATF) based on road vehicles —Specification	COMPULSORY
17.	TZS 2260:2018	High performance engine lubricating oil for diesel engines - Specification	COMPULSORY
18.	TZS 2261:2018	High performance engine lubricating oil for Petrol engines - Specification	COMPULSORY
19.	TZS 1074:2009 / ISO 12922:2012	Lubricants, industrial oils and related products (class L) -- Family H (Hydraulic systems) -- Specifications for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU	COMPULSORY
20.	TZS 1073:2018/ISO 15380:2016	Lubricants, industrial oils and related products (class L) -- Family H (Hydraulic systems) -- Specifications for hydraulic fluids in categories HETG, HEPG, HEES and HEPR	COMPULSORY
21.	TZS 1072:2018 /ISO 11158:2009	Lubricants, industrial oils and related products (class L) -- Family H (hydraulic systems) -- Specifications for categories HH, HL, HM, HV and HG (Rev TZS 1072:2008).	COMPULSORY
22.	TZS 1066(4):2018 /ISO 6743-4:2015	Lubricants, industrial oils and related products (class L) -- Classification -- Part 4: Family H (Hydraulic systems)	COMPULSORY
23.	TZS 650:2018	Method of sampling of lime and limestone products (Rev TZS 650:2003)	VOLUNTARY
24.	TZS 2192:2018	Terminology relating to lime and limestone (as used by the industry)	VOLUNTARY

25.	TZS 2191:2018	Methods of test for chemical analysis of Limestone and Limestone Products	VOLUNTARY
26.	TZS 422-1:2018/ISO 5630-1:1991	Paper and board – Accelerated ageing – Part 1: Dry heat treatment at 105°C	VOLUNTARY
27.	TZS 82:2018/ISO 187:1990	Paper, Board and pulps- standards atmosphere for condition and testing and procedure for monitoring the atmosphere and conditioning for samples.	VOLUNTARY
28.	TZS 83:2018/ISO 287:2009	Paper – Methods for sampling and test for moisture content	VOLUNTARY
29.	TZS 84:2018/ISO 2471:2008	Paper and board – Determination of opacity (paper backing) – Diffuse reflectance method	VOLUNTARY
30.	TZS 871:2018	Test methods for determination of motor vehicles brake fluids	VOLUNTARY
31.	TZS 1065:2018 /ISO 3448:1992	Industrial liquid lubricants -- ISO viscosity classification (Rev TZS 1065:2008).	VOLUNTARY

ELECTRICAL SECTION

S/No.	STANDARDS MARKS	COMMODITY	CATEGORY
1.	TZS 448-1: 2018/ IEC 60335-1:2010	Household and similar electrical appliances – Safety – Part 1: General requirements	COMPULSORY
2.	TZS 448-2-6:2018/IEC 60335-2-6:2014	Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary	COMPULSORY

		cooking ranges, hobs, ovens, and similar appliances.	
3.	TZS 448-2-15:2018/IEC 60335-2-15:2012	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids.	COMPULSORY
4.	TZS 2218-1-1:2018	Liquid crystal display devices - Part 1-1: Generic - Generic specification	COMPULSORY
5.	TZS 2219-5:2018	Sound system equipment - Part 5: Loudspeakers	COMPULSORY
6.	TZS 2219-4:2018	Sound system equipment - Part 4: Microphones	COMPULSORY
7.	TZS 2250:2018	Electric conductors-EC grade aluminium rods produced by continuous casting and rolling-Specifications.	COMPULSORY
8.	TZS 2014-4:2018	Alarm Systems-Intrusion and holding system - Part 4: Warning device.	COMPULSORY
9.	TZS2014-5-3:2018	Alarm Systems-Intrusion and holding systems - Part-5-3: Interconnections-Requirements for equipment using radio frequency techniques.	COMPULSORY
1.	TZS 2014-6:2018	Alarm Systems-Intrusion and holding systems-Part 6: Power supplies.	COMPULSORY
2.	TZS 2013-2:2018	Alarm systems -Part 2: Electromagnetic Compatibility-Immunity requirements for components of fire and security alarm systems.	COMPULSORY
3.	TZS 2193-1:2018	Sound system equipment - Part 1: General.	COMPULSORY
4.	TZS 2193-2:2018	Sound systems equipment - Part 3: Amplifiers	COMPULSORY

ENVIROMENTAL SECTION

1.	TZS 1117:2018 /ISO 14015:2001	Environmental management - Environmental Assessments of Sites and Organization (EASO).	VOLUNTARY
2.	TZS 1118: 2018/ ISO 14031:2013	Environmental Management – Environmental Performance Evaluation- Guidelines	VOLUNTARY
3.	TZS 1119:2018/ISO/TR 14032:1999	Environmental Management- Examples of Environmental Performance Evaluation.	VOLUNTARY
4.	TZS 1120: 2009 /ISO 14050:2009.	Environmental Management- Vocabulary	VOLUNTARY
5.	TZS 2265:2018	Solid waste management- non-hazardous waste	COMPULSORY

FOOD AND AGRICUTURAL

1.	TZS 252:2018	Butter – Specification	COMPULSORY
2.	TZS 571:2018	Ghee – Specification	COMPULSORY
3.	TZS 2207:2018	Milk Powder and Cream Powder — Specification	COMPULSORY
4.	TZS 626:2018	Raw Milk – Specification	COMPULSORY
5.	TZS 2206:2018	Sweetened Condensed Milk – Specification	COMPULSORY
6.	TZS 398-2:2018	Uht Milk – Specification Part 2: Reconstituted/Recombined/Toned Milk	COMPULSORY
7.	TZS 2225:2018	Sugar cane syrup— Specification	COMPULSORY
8.	TZS 2226:2018	Bee Pollen Specification	COMPULSORY
9.	TZS 2227:2018/ISO 12824: 2016	Royal Jelly Specification	COMPULSORY
10.	TZS 1192:2018	Rosella Based Alcoholic Beverage Specification	COMPULSORY

11.	TZS 940:2018 /EAS143:2018	Brandy- Specification	COMPULSORY
12.	TZS 920:2018/EAS 142:2018	Vodka- Specification	COMPULSORY
13.	TZS 781:2018/EAS 141:2018	Whisky- Specification	COMPULSORY
14.	TZS1626:2018/EAS14 6:2018	Rum- Specification	COMPULSORY
15.	TZS 1008:2018/EAS 145: 2018:	Gin- Specification	COMPULSORY
16.	TZS 780:2018/EAS 140:2018:	Sparkling Wine –Specification	COMPULSORY
17.	TZS 527:2018/EAS 139:2018:	Fortified Wine -Specification	COMPULSORY
18.	TZS 468: 2018/EAS 109:2018	Potable Spirit-Specification	COMPULSORY
19.	TZS 1018:2018/EAS144:20 18:	Neutral Spirit- Specification	COMPULSORY
20.	TZS 1800:2017	Cakes - Specification	COMPULSORY
21.	TZS 2081:2017	Cookies - Specification	COMPULSORY
22.	TZS 615:2017	Macaroni, spaghetti, vermicelli and noodles – Specification	COMPULSORY
23.	TZS 2080:2017	Buns - Specification	COMPULSORY
24.	TZS 2182:2018	Sausages – Specification Part 1: Red meat Sausages.	COMPULSORY
25.	TZS 2184:2018	Pork carcasses and cuts – Specification	COMPULSORY
26.	TZS 2186:2018	Hatching eggs – Specification	COMPULSORY

27.	TZS 2188:2018	Dressed poultry – Specification	COMPULSORY
28.	TZS 2187:2018	Corned beef – Specification	COMPULSORY
29.	TZS 2181:2018	Chicken meat (raw and spiced) – Specification	COMPULSORY
30.	TZS 2183:2018	Table eggs – Specification	COMPULSORY
31.	TZS 2185:2018	Dried meat – Specification	COMPULSORY
32.	TZS 30:2018	Black and white pepper (whole or ground) – Specification	COMPULSORY
33.	TZS 2197: 2018	Fresh cultivated edible mushrooms – Specification	COMPULSORY
34.	TZS 2198: 2018	Fresh apples – Specification	COMPULSORY
35.	TZS 2199:2018	Leafy vegetables — Specification	COMPULSORY
36.	TZS 1536:2018	Cumin – Specification	COMPULSORY
37.	TZS 739:2018	cashew kernels— specification	COMPULSORY
38.	TZS 741:2018	Sesame (simsim) seeds — specification	COMPULSORY
39.	TZS 2279:2018 (EAS 887:2017)	Crude and semi refined palm oil-Specification	COMPULSORY
40.	TZS 740:2018 (EAS 888:2018)	Raw and roasted groundnuts -Specification	COMPULSORY
41.	TZS 560:2018 (EAS 796:2018)	Palm stearin-Specification	COMPULSORY
42.	TZS 559:2018 (EAS 795:2018)	Palm olein-Specification	COMPULSORY
43.	TZS 2296:2018 (EAS 889:2018)	Groundnuts for oil extraction -Specification	COMPULSORY
44.	TZS 2297:2018 (EAS	Blended edible oils -Specification	COMPULSORY

	890:2018)		
45.	TZS 2288:2018 (EAS 321:2018)	Edible fats and oils –Specification	COMPULSORY
46.	TZS 2228:2018-P1,	Code Of Practice For Aquaculture Production, Part I - Tilapia Farms	VOLUNTARY
47.	TZS: 2229: 2018-P1I,	Code Of Practice For Aquaculture Production Part Ii - Freshwater And Marine Animal Farms	VOLUNTARY
48.	TZS 2230:2018	Lead Determination In Fish and Fishery Product	VOLUNTARY
49.	TZS 2231:2018	Determination Of Methylmercury In Fish And Shellfish	VOLUNTARY
50.	TZS1148:2017/ ISO 8460:1987	Instant coffee - Determination of free - flow and compacted bulk densities	VOLUNTARY
51.	TZS1159:2017	Green coffee - Olfactory and visual examination and determination of foreign matter and defects	VOLUNTARY
52.	TZS 1156:2017 /ISO 6673:2003	Green coffee — Determination of loss in mass at 1050C	VOLUNTARY
53.	TZS 1157:2017/ ISO 9116:2004	Green coffee — Guidelines on methods of specification	VOLUNTARY
54.	TZS 2180:2018	Ante-mortem and post-mortem inspections of poultry – Code of practice.	VOLUNTARY
55.	TZS 114:2018	Soft drink – manufacturing units – Code of hygiene	VOLUNTARY
56.	TZS 1528:2018	Fruits, Vegetables and Derived Products - Determination of Potassium/Sodium Metabisulphite	VOLUNTARY
57.	TZS 1527:2018	Fruits and Vegetables -Determination of specific gravity	VOLUNTARY
58.	TZS 33:2018/ ISO 948:1980	Spices and condiments- Sampling	VOLUNTARY
59.	TZS 2240:2018	Infant formula and adult nutritionals — Determination of Total Iodine — Inductively coupled plasma mass spectrometry (ICP-MS)	VOLUNTARY
60.	TZS 2241:2018	Infant formula and adult nutritionals — Determination of chromium, selenium and molybdenum — Inductively coupled plasma mass spectrometry (ICP-MS)	VOLUNTARY

61.	TZS 2244:2018	Prerequisite programmes on food safety — Part 1:Food manufacturing	VOLUNTARY
62.	TZS 2245:2018	Prerequisite programmes on food safety — Part 2: Catering	VOLUNTARY
63.	TZS 2246:2018	Prerequisite programmes on food safety — Part 3: Farming	VOLUNTARY
64.	TZS 2247:2018	Prerequisite programmes on food safety —Part 4: Food packaging manufacturing	VOLUNTARY
65.	TZS 2248:2018	Food safety management systems —Requirements for bodies providing audit and certification of food safety management systems	VOLUNTARY
66.	TZS 2249:2018	Traceability in the feed and food chain —General principles and basic requirements for system design and implementation.	VOLUNTARY
67.	TZS 118: 2018/ ISO 4833-2:2013	Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 1: Colony count at 30 °C by the pour plate technique	VOLUNTARY
68.	TZS 119:2018/ISO 4831: 2006	Microbiology of food and feeding stuffs- Horizontal method for detection and enumeration of coliforms- Most probable number technique	VOLUNTARY
69.	TZS 122: 2018/ISO 6579: 2017	Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella- Part 1: Detection of Salmonella spp.	VOLUNTARY
70.	TZS 125:2018/ ISO 6888-1:1999	Microbiology of food and animal feeding stuffs- Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species)- Part 1: Technique using Baird-Parker agar medium	VOLUNTARY
71.	TZS 1180/ISO 6887-1:2017	Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination- Part 1: General rules for the preparation of the initial	VOLUNTARY

		suspension and decimal dilutions.	
72.	TZS1181:2018/ISO 6887-2: 2017	Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination Part 2: Specific rules for the preparation of meat and meat products	VOLUNTARY
73.	TZS 125:2018/ ISO 6888-1:1999	Microbiology of food and animal feeding stuffs- Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species)- Part 1: Technique using Baird-Parker agar medium	VOLUNTARY
74.	TZS 125:2018/ ISO 6888-2:1999	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species)- Part 2: Technique using rabbit plasma fibrinogen agar medium	VOLUNTARY
75.	TZS 125 (Part 3):2018/ISO6888-3:2003	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) - Part 3: Detection and MPN technique for low numbers	VOLUNTARY
76.	TZS 2279:2018/ ISO 10272-1:2017	Microbiology of the food chain- Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. —Part 1: Detection method	VOLUNTARY
77.	TZS 2280: 2018/ ISO 10272-2:2017	- Microbiology of the food chain- Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. —Part 2: Colony-count technique	VOLUNTARY
78.	TZS 852:2018/ ISO 11290-1: 2017	- Microbiology of the food chain — Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. —Part 1: Detection method	VOLUNTARY
79.	TZS 852 (part 2): 2018- ISO 11290 (Part	Microbiology of the food chain — Horizontal method for the detection and enumeration of	VOLUNTARY

	2):2017	Listeria monocytogenes and of Listeria spp. —Part 1: Enumeration method	
80.	TZS 949 (part 1): 2018/ISO21528 (Part 1): 2017	Microbiology of the food chain- Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 1: Detection of Enterobacteriaceae	VOLUNTARY
81.	TZS 949-2:2018/ ISO 21528-2: 2017	Microbiology of the food chain- Horizontal method for the detection and enumeration of Enterobacteriaceae- Part 1: Colony-count technique	VOLUNTARY
82.	TZS 729-2:2018/ ISO 4832: 2006	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique.	VOLUNTARY
83.	TZS 731:2018/ ISO 7251: 2006	Microbiology of food and animal feeding stuffs- Horizontal method for the detection and enumeration of presumptive Escherichia coli- Most probable number technique.	VOLUNTARY
84.	TZS 127: 2018/ ISO/21872 -1:2017	Microbiology of the food chain- Horizontal method for the determination of Vibrio spp.- Part 1: Detection of potentially enteropathogenic Vibrio parahaemolyticus, Vibrio cholerae and Vibrio vulnificus.	VOLUNTARY
85.	TZS 126: 2018/ ISO 7932: 2004	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus cereus — Colony-count technique at 30 °C	VOLUNTARY

INFORMATION TECHNOLOGY

S/No.	STANDARDS MARKS	COMMODITY	CATEGORY
1.	TZS 2224-1:2018/ ISO/IEC 19795-	Information technology — Biometric performance testing and reporting - Part	COMPULSORY

	1:2006	1: Principles and framework	
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MANAGEMENT SYSTEMS

1.	TZS NO. 2280:2018/ ISO 17025:2017	General requirement for the competence of testing and quantities calibration laboratories.	VOLUNTARY
2.	TZS NO. 2281:2018/ ISO 17021:2015	Conformity assessment- Requirements for bodies providing audit and certification of management systems- Part 1: Requirements	VOLUNTARY
3.	TZS NO. 2282:2018 ISO 73:2009	Risk management -Vocabulary	VOLUNTARY

MECHANICAL SECTION

S/No.	STANDARDS MARKS	COMMODITY	CATEGORY
1.	TZS 435:2018	Farm implements - Shovels Specifications.(Rev TZS 435: 1992)	COMPULSORY
2.	TZS 300:2018	Road vehicle-Retro-reflective registration plate for motor vehicles (Rev TZS 300:2010)	COMPULSORY
3.	TZS 2252-1:2018	Horizontal centrifugal pumps for clear, cold water—Specification part 1: Agricultural and rural water supply purposes	COMPULSORY
4.	TZS 2252-2:2018	Horizontal centrifugal pumps for clear cold-water part 2: general purpose (other than agriculture)	COMPULSORY
5.	TZS 2256:2018	Standard Specification for Fuel Oil Meters of the Volumetric Positive	COMPULSORY

		Displacement Type	
6.	TZS 2255:2018 / ISO 3183:2012	Petroleum and natural gas industries — Steel pipe for pipeline transportation systems.	COMPULSORY
7.	TZS 2189:2018 -	Specification for first Aid hose-reel for fire fighting	COMPULSORY
8	TZS 1971-1:2018 / ISO 7240-1:2014	Fire detection and alarm systems - Part 1: General and definitions	COMPULSORY
9	TZS 2190-1:2018 / ISO 6182-1:2014	Fire protection - Automatic sprinkler systems - Part 1: Requirements and test methods for sprinklers	COMPULSORY
10	TZS2190-3:2018 / ISO 6182-3:2012	Fire protection — Automatic sprinkler systems - Part 3: Requirements and test methods for dry pipe valves	COMPULSORY
11	TZS 2190-5:2018 / ISO 6182-5:2012	Fire protection — Automatic sprinkler systems -- Part 5: Requirements and test methods for deluge valves.	COMPULSORY
12	TZS 2190-6:2018 / ISO 6182-6:2006 -	Protection — Automatic sprinkler systems — Part 6: Requirements and test methods for check valves	COMPULSORY
13	TZS 2190-8:2018 / ISO 6182-8:2006	Fire protection — Automatic sprinkler systems — Part 8: Requirements and test methods for pre-action dry alarm valves	COMPULSORY
14	TZS 2221-10-1: 2018/ IEC 60839-10- 1:1995	Alarm systems – Part 10: Alarm systems for road vehicles – Section 1: Passenger cars	COMPULSORY
15	TZS 2222: 2018	Specification for handheld metal detectors for use in weapon detection	COMPULSORY
16	TZS 2253:2018	Agriculture grain dryer -	VOLUNTARY

		Determination of performance-general requirements.	
17	TZS 2263:2018	Agriculture grain dryer - Determination of performance – General additional procedures and crop-specific requirement.	VOLUNTARY
18	TZS 2264:2018 -	Specification for honey extractor type	VOLUNTARY
19	TZS 2254:2018	Tests for Agricultural and Water Supply Pumps - Code of Acceptance	VOLUNTARY

MINING SECTION

S/No.	STANDARDS MARKS	COMMODITY	CATEGORY
1.	TZS 2086:2017 / ISO 17246:2010	Coal — Proximate analysis	VOLUNTARY
2.	TZS 2087:2017 / ISO 17247:2013	Coal — Ultimate analysis	VOLUNTARY
3.	TZS 2088:2017/ ISO 562:2010	Hard coal and coke — Determination of volatile matter	VOLUNTARY
4.	TZS 2089:2017/ ISO 589:2008	Hard coal — Determination of total moisture	VOLUNTARY
5.	TZS 2090:2017/ ISO 525:1996	Solid mineral fuels - Determination of carbon and hydrogen - Liebig method.	VOLUNTARY
6.	TZS 2091:2017/ ISO 1170:2013	Coal and coke — Calculation of analyses to different bases.	VOLUNTARY
7.	TZS 2092:2017 /ISO 1171:2010	Solid mineral fuels — Determination of ash.	VOLUNTARY
8.	TZS 2093:2017/ ISO 5069 - 2:1983	Solid mineral fuels — Determination of gross calorific value by the bomb calorimetric method and calculation of net	VOLUNTARY

		calorific value.	
9.	TZS 1962-2: 2017 /ISO 1928:1992	Brown coals and lignites - Principles of sampling - Part 2: Sample preparation for determination of moisture content and for general analysis	VOLUNTARY

PACKAGING SECTION

1.	TZS NO. 2283:2018/ ISO12818:2018	Glass Packaging-Standard tolerances for flaconage	VOLUNTARY
2.	TZS NO. 2291:2018/ EAS 881:2018	Packaging — Flexible tubes — Determination of the air tightness of closures — Test method (1 st Edition)	VOLUNTARY
3.	TZS NO. 2293:2018/ EAS 884:2018	Packaging — Flexible tubes — Determination of puncture resistance — Test method (1 st Edition)	VOLUNTARY
4.	TZS NO. 2294:2018/ EAS 886:2018	Packaging — Flexible packaging material — Determination of residual solvents by headspace gas chromatography — Test method (1 st Edition)	VOLUNTARY
5.	TZS NO. 2295:2018/ EAS 891:2018	Plastic crates — Specification (1 st Edition)	VOLUNTARY

TOURISM

1.	TZS NO. 2284:2018/ ISO 18513:2003	Tourism services — Hotels and other types of tourism accommodation — Terminology.	VOLUNTARY
2.	TZS NO. 2285:2018/ ISO 21101:2014	Adventure tourism — Safety management systems —Requirements.	VOLUNTARY
3.	TZS NO. 2286:2018/ ISO 21102:2013	Adventure tourism — Leaders — Personnel competence	VOLUNTARY

4.	TZS NO 2287:2018/ISO 21103:2014	Adventure tourism — Information for Participants	VOLUNTARY
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