GOVERNMENT NOTICE NO. 11

MALAWI BUREAU OF STANDARDS ACT

(CAP. 51:02)

MALAWI BUREAU OF STANDARDS
(MALAWI STANDARDS) (EFFECTIVE DATE) (DECLARATION) ORDER, 2022

IN EXERCISE of the powers conferred by section 27 (3) of the Malawi Bureau of Standards Act, I, MARK KATSONGA PHIRI, Minister of Trade and Industry, make the following Order—

1. This Order may be cited as the Malawi Bureau of Standards (Malawi Standards) (Effective Date) (Declaration) (Amendment) Order, 2022. Citation

2. The Malawi Bureau of Standards (Malawi Standards) (Effective Date) (Declaration) Order is amended by inserting, at the end of the Schedule, the following words— Amendment of Cap. 51:02 sub. leg. p.38

"EFFECTIVE DATE: 1ST MAY, 2022

Column 1 *Malawi Standard*	*Column 2* *Commodity*	*Column 3* *Description*
MS 3:2014	Unplasticised poly (vinyl chloride) (PVC-U) sewer and drain pipes and pipe fittings – Specification (4th Edition)	Covers two duties (normal and heavy) of unplasticised poly(vinyl chloride) (PVC-U) pipes of nominal sizes 110 mmm - 630 mm and one duty of PVC-U pipe fittings of nominal sizes 110 mm and 160 mm, intended for underground non-pressure applications in the construction of sewers and drains where temperatures continuously in excess of 60 ^{0}C are not encountered.
MS 31:2015	Bread - Specification (2nd Edition)	Prescribes requirements and methods of test for white bread, brown bread, wholemeal bread and enriched bread.
MS 32:2017	Maize grain – Specification (3rd Edition)	Applies to maize (corn) for direct human consumption that is ready for its intended use as human food, presented in packaged form or sold loose from the package direct to the consumer. The standard specifies requirements for whole grain shelled dent maize (Zea mays indentata L.) and/or shelled flint maize (Zea mays indurate L.).
MS 33:2020	Candles for illuminating purposes – Specification (2nd Edition)	Specifies the requirements and methods of sampling and testing for candles suitable for illuminating purposes, but does not cover decorative candles.

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MS 43:2020	Black tea – Definition and basic requirements (4th Edition)	Specifies the parts of a named plant that are suitable for making black tea for consumption as a beverage and the chemical requirements for black tea that are used to indicate that tea from that source has been produced in accordance with good production practice. It also specifies the packing and marking requirements for black tea in containers. It is not applicable to scented or decaffeinated black tea.
MS 65:2016	Soap powder or chips – Specification (1st Edition)	Specifies requirements and methods of test for four types of soap for use in laundries.
MS 73:2014	Raw cow's milk – Specification (2nd Edition)	Specifies the quality requirements of raw, normal cow milk.
MS 76:2014	Agricultural hand hoe – Specification (2nd Edition)	Specifies materials and other requirements for agricultural hand hoe.
MS 84:2020	Wax polish for floors and furniture — Specification (2nd Edition)	Prescribes the requirements and methods of sampling and testing for wax polish (in liquid or paste form) both solvent-based and emulsion type suitable for use on furniture and floors other than (in the case of polish containing an organic solvent) those of thermoplastic (asphalt), semi-flexible vinyl (vinyl-asbestos), flexible vinyl, linoleum, and rubber.
MS 85-1:2013	Limes for use in building - Specification Part 1: Hydrated lime (1st Edition)	Covers specification for hydrated limes for use in buildings.
MS 90:2018	High protein cereal-based foods for infants and young children – Specification (2nd Edition)	Specifies the requirements and methods of sampling and testing for high protein cereal-based foods for infants and young children.
MS 96:2014	Chillies and capsicums, whole or ground (powdered) – Specification (2nd Edition)	Specifies requirements for chillies and capsicums in whole or ground (powdered) form.
MS 97: 2013	Curry powder–Specification (2nd Edition)	Applies to the requirements for curry powder, which is used as a flavouring ingredient in the preparation of foods.
MS 110:2014	Single furrow animal drawn plough shares – Specification (2nd Edition)	Specifies materials and dimensions of both upset and straight shares used in animal drawn ploughs.

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MS 115:2018	Fresh and frozen whole fin fish – Specification (SADC Harmonized)	Specifies requirements and methods of sampling and testing for fresh and frozen whole fin fish intended for human consumption.
MS 153:2014	Coriander, whole or ground (powdered) – Specification (2nd Edition)	Specifies requirements for coriander in whole and ground (powdered) form.
MS 177:2016	Fruit squashes– Specification (2nd Edition)	Specifies the requirements for fruit squashes.
MS 179:2017	Rice – Specification (3rd Edition)	Specifies the requirements for rice (Oryza sativa L.). It applies to husked rice and milled rice, parboiled or not, intended for direct human consumption.
MS 189:2020	Cheese – Specification (2nd Edition)	Specifies the general requirements for cheeses intended for direct consumption and/or for further processing.
MS 191:2014	Yoghurts – Specification (2nd Edition)	Prescribes requirements for yoghurt.
MS 193:2017	Dairy creams–Specification (2nd Edition)	Applies to cream and prepared creams for direct consumption or further processing.
MS 199-1:2014	Sausages – Specification Part 1: Pork and beef sausages (2nd Edition)	Specifies requirements, method of sampling and testing for pork and beef sausages.
MS 199-2:2014	Sausages – Specification Part 2: Chicken sausages (1st Edition)	Specifies requirements, method of sampling and testing for chicken sausages.
MS 208:2013	Opaque beer – Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for opaque beer.
MS 212:2013	Poultry feed – Specification (2nd Edition)	Provides definitions for the following terms: approved, broiler diet, chick layer diet, compounded feed, crude fat, feed, growers' diet for chicken, layers' diet, maize-free concentrate, mash, pellet, ration, turkey rearers' ration, turkey starter ration, and turkey growers' ration.
MS 213:2020	Groundnuts – Specification (2nd Edition)	Applies to groundnuts (also known as peanuts) either in the pod or in the form of kernels, obtained from varieties of the species Arachis hypogaea L, intended for processing or for direct human consumption.

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MS 214:2013	Drinking water – Specification (2nd Edition)	Specifies the physical, biological organoleptic and chemical requirements for drinking water.
MS 228:2014	Raw macadamia kernels – Specification (2nd Edition)	Specifies requirements for shelled macadamia kernels of varieties grown from Macadamia tetraphylla, Macadamia ternifolia and Macadamia integrifolia and/or their hybrids intended for direct consumption or for food when intended to be mixed with other products for direct consumption without further processing. The standard does not apply to macadamia kernels that are processed by salting, sugaring, flavouring or roasting, or for industrial processing.
MS 229-1:2014	Cereal-based breakfast food products – Specification Part 1: Flaked, puffed or pulverized (ready-to-eat) (2nd Edition)	Prescribes the requirements and methods of test for flaked, puffed or pulverized cereal-based breakfast food products, which are ready-to-eat and are suitable for all in-family consumption.
MS 232:2016	Chewing gum and bubble gum – Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for chewing gum and bubble gum.
MS 240:2017	Pig feed – Specification (2nd Edition)	Specifies the requirements and methods of sampling and testing for pig feed.
MS 242:2020	Cowpeas – Specification (2nd Edition)	Specifies the requirements and methods of sampling and testing for shelled dry cow peas of the varieties (cultivars) grown from Vigna unguiculata Linn. Sync. Vigna sinensis (L.) Hassk intended for human consumption.
MS 244:2017	Soya beans – Specification (2nd Edition)	Specifies the requirements and methods of sampling and testing for dry whole soya beans of varieties (cultivars) grown from Glycine max (L.) Merr intended for human consumption.
MS 253-1:2016	Synthetic detergent powders – Specification Part 1: Household hand use (2nd Edition)	Specifies the requirements and methods of sampling and testing for synthetic detergents for household hand use.
MS 253-2:2016	Synthetic detergent powders – Specification Part 2 : Machine wash(2nd Edition)	Specifies the requirements and methods of sampling and testing for synthetic detergents for machine wash.

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MS 278:2013	Road marking paint – Specification (2nd Edition)	Covers quick-drying road-marking paint for use on bituminous and concrete road surfaces. It makes provision for yellow, white and black paint but does not cover reflectorized paint.
MS 279:2013	Emulsion roof paint - Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for roof paint based on synthetic polymers dispersed in a water phase.
MS 280:2013	Emulsion paint – Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for four grades of emulsion paint that are based on synthetic polymers dispersed in a water phase and that are supplied in a matt, semi-matt or semi-gloss finish, for application over interior plaster or other masonry substrates, as one or more coats of the same grade.
MS 282:2013	Decorative high gloss enamel paint –Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for two grades of air-drying gloss enamel paint for use on suitably primed and uncoated steel, wood, masonry, hard board, compressed fibre board and similar materials used in the construction and finishing of buildings.
MS 287:2020	Priming paint for steel – Specification (3rd Edition)	Provides requirements and testing methodology for solvent-borne primers in which the reactive pigment is a zinc phosphate type, free from heavy metals, for use on suitably prepared steel surfaces.
MS 288:2013	Primers for wood – Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for primers for wood intended for interior and exterior use.
MS 304:2014	Cinnamon, whole or ground (powdered) – Specification (2nd Edition)	Specifies requirements for whole or ground (powdered) cinnamon of the Sri Lankan type, Madagascan type and Seychelles type, which is the bark of the tree or shrub Cinnamomum zeylanicum Blume.
MS 306:2017	Celery seed – Specification (2nd Edition)	Specifies requirements and the methods of sampling and testing for whole celery seed (Apium graveolens Linnaeus) for use as a spice. It does not apply to seeds used for agricultural purposes.

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MS 328:2013	Locks, latches, and associated furniture for doors (domestic type) – Specification (1st Edition)	Covers the requirements for the materials, essential dimensions, finish, and performance for mortice locks and latches, and the associated lock and latch furniture.
MS 349:2017	Edible cassava flour – Specification(2nd Edition)	Specifies the requirements and methods of sampling and testing for cassava flour, which is obtained from the processing of cassava roots (Manihot esculenta Crantz) intended for human consumption.
MS 381:2014	Bituminous aluminium paint–Specification (2nd Edition)	Covers one type of bituminous aluminium paint for interior and exterior use on primed metal, masonry, asbestos cement, and wood surfaces. It may also be applied to roofing felt, to creosoted timber, and to hard bituminous surfaces that have been allowed to weather for at least 8 weeks before painting.
MS 384:2013	Wood preservative (metallic naphthenate) –Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for metallic naphthenates for wood preservation. It covers metallic naphthenate concentrates and solutions of metallic naphthenate suitable for the preservation of wood.
MS 386: 2014	Bituminous paint for cold application excluding use in contact with potable water– Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for bitumen-based solvent-borne paints. It covers paints for cold application by either brushing; spraying, rolling or dipping processes intended to give a coat for the corrosion protection and water-proofing of substrates including iron and steel.
MS 388:2014	Decorative oil gloss paint for interior and exterior use –Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for decorative oil gloss paint other than emulsion paint for interior and exterior use as a finishing coat on metal, wood, sealed plaster walls, composition board and similar materials that have been primed or painted previously.
MS 389:2014	Alkali-resistant plaster primer (latex-type) – Specification (2nd Edition)	Covers a latex-type of alkali-resistant plaster primer for interior and exterior use on dry cement plaster and concrete, unglazed brick, gypsum plaster-board, fibre-cement boards and other compressed

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		fibre wallboard compositions, but not for use on gypsum plaster surfaces.
MS 390:2020	Alkali-resistant plaster primer (Pigmented solvent-type)–Specification (3rd Edition)	Covers a pigmented, solvent-type of alkali-resistant plaster primer for interior and exterior use on dry cement plaster and concrete, unglazed brick, gypsum plasterboard, fibre-cement boards and other compressed fibre wallboard compositions and on gypsum plaster surfaces pre-sealed with bonding liquid.
MS 391:2013	Varnish for interior use – Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for varnish for interior use. It covers the following two types of varnish for interior use on wooden surfaces- Type I: General purpose glossy or eggshell varnish; and Type II: Solvent-resistant, heat-resistant, and chemical-resistant gloss or eggshell varnish.
MS 392:2013	Varnish for wood floors – Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for varnish for wood floors.
MS 393:2018	Undercoats for paints – Specification (3rd Edition)	Specifies requirements for two grades of undercoat for use under air-drying paints and for application over primed steel and wood and on sealed and primed masonry, hardboard, compressed fibreboard and similar materials used in the construction and furnishing of buildings.
MS 394:2013	Aluminium finishing paint–Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for aluminium paint for use as a finishing coat on primed surfaces for exterior and interior exposure. This paint is suitable for use as roof paint on suitably primed or previously painted galvanized iron.
MS 398:2014	Solvent-based paint remover – Specification (2nd Edition)	Specifies requirements for solvent-based paint removers applied by brush. The paint removers are intended for general use on surfaces of painted, varnished or lacquered wood, plaster or metal.
MS 400:2020	Pigeon peas –Specification (2nd Edition)	Specifies the quality and grading requirements and methods of sampling and

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		testing for dry pigeon peas of the varieties (cultivars) grown from Cajanus cajan Linn intended for human consumption.
MS 415:2014	Sunflower seed for the manufacture of oil – Specification (1st Edition)	Prescribes requirements for sunflower seed of Helianthus annus Linn family intended for the manufacture of oil for human consumption.
MS 416:2014	Dairy cattle feed supplements – Specification (1st Edition)	Specifies minimum requirements for dairy cattle feed supplements.
MS 426:2014	Castor seed for the manufacture of oil – Specification (1st Edition)	Specifies requirements for castor seed (Ricinus communis Linn), of Euphorbiaceae family for the manufacture of oil along with the relevant methods of sampling and testing.
MS 428:2013	Immersion-type heating units for electric appliance– Specification (1st Edition)	Specifies requirements for five types of replaceable immersion-type heating units intended for use in portable electrical appliances for heating water or non-corrosive aqueous solutions at D.C. voltages of not less than 42 V and at A.C. voltages of not more than 240 V between phase and neutral conductor and at a rated load not exceeding 6 kW.
MS 489-1:2014	Wooden poles and cross-arms for power transmission; low voltage reticulation and telephone system – Specification. Part 1: Pine poles (1st Edition) (SADC Harmonized)	Specifies requirements for pine poles, grown in Southern Africa, that are treated with creosote, a mixture of creosote and waxy oil, or a mixture of copper-chromium-arsenic compounds (CCA), and that are intended to be used as upright supports for street lighting and telephone systems, and as upright supports, cross-arms and spacers (in five-pole structures) for power distribution lines.
MS 489-2:2014	Wooden poles and cross-arms for power transmission; low voltage reticulation and telephone system – Specification Part 2: Eucalyptus poles (2nd Edition) (SADC Harmonized)	Specifies requirements for eucalyptus poles, grown in Southern Africa, that are treated with creosote, a mixture of creosote and waxy oil, or a mixture of copper-chromium-arsenic compounds (CCA), and that are intended to be used as upright supports for communications systems, and as upright supports, cross-arms and spacers.

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MS 504-1:2009	Wooden poles, droppers, guardrail post and spacer blocks – Specification Part 1: Softwood species (1st Edition)	Specifies requirements for preservative-treated softwood poles, droppers, guardrail posts and spacer blocks. The poles are intended for the erection of fences and vine trellises, for general use in orchards and for structural purposes. The droppers are intended for fencing. The posts and spacer blocks are intended for the erection of steel guardrails at the sides of roads.
MS 519:2017	Thobwa powder – Specification (2nd Edition)	Specifies the requirements and methods of sampling and testing for thobwa powder.
MS 539:2013	Industrial effluents – Tolerance limits for discharge into inland surface waters (2nd Edition)	Lays down the tolerance limits, sampling guidelines and test methods for industrial effluents discharged into inland surface waters. Effluents discharged on land or into ground water or air are not covered by this standard.
MS 543:2015	Wheat protein products including wheat gluten – Specification (2nd Edition)	Prescribes the requirements and methods of testing for wheat protein products prepared from wheat by various processes. The products are intended for use in foods requiring further preparation and for use by the food processing industry.
MS 554:2016	Peanut butter–Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for peanut butter derived from peanuts/groundnuts.
MS 556:2012	Animal drawn mouldboard plough – Specification (1st Edition)	Prescribes materials, dimensions and other requirements of fixed type animal drawn mouldboard plough.
MS 559:2016	Soya protein products – Specification (1st Edition)	Specifies requirements and methods of sampling and testing for soya protein products intended for human consumption.
MS 566:2020	Wax shoe polish — Specification (2nd Edition)	Specifies requirements and methods of sampling and testing for wax polish suitable for use on shoes, boots, and leather goods.
MS 569-1: 2013	Tissue paper – Part 1: General requirements (2nd Edition)	Specifies the general requirements and test methods for, and conditioning of tissue paper and tissue products.
MS 569-2: 2013	Tissue paper –Part 2: Toilet paper (2nd Edition)	Covers four grades of creped toilet paper supplied in rolls.
MS 569-3: 2013	Tissue paper –Part 3: Facial tissues (2nd Edition)	Covers tissue paper, in sheet form, for use primarily for facial hygiene.

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MS 569-4: 2013	Tissue paper – Part 4: Paper towels (2nd Edition)	Covers paper towels, in rolls and in sheets (single ply and double ply), suitable for general and industrial purposes.
MS 569-5: 2013	Tissue paper – Part 5: Disposable wiping paper in rolls (2nd Edition)	Covers three types of tissue paper in rolls, intended for use as wiping paper in industrial, workshop, laboratory, office, agricultural and other environments where hands and tools and other equipment need to be wiped, cleaned or dried.
MS 590:2020	Polyvinyl acetate dispersion adhesives for wood – Specification (2nd Edition)	Covers the chemical, physical, and performance requirements for three exposure classes of non-structural synthetic adhesives dispersed in water and based on the polymerization of vinyl acetate or on its copolymerization with other vinylic compounds.
MS 596:2020	Mixtures of copper-chromium-arsenic compounds for timber preservation –Specification, (2nd Edition)	Covers mixtures of copper-chromium-arsenic compounds (in the form of a powder, a granular powder, a paste, or a liquid) for timber preservation.
MS 597:2020	Boron timber preservatives–Specification (2nd Edition)	Covers requirements for the following three types of boron timber preservatives— Type I: A sodium borate of a composition corresponding approximately to that of disodium octaborate tetrahydrate (Na2B8O13.4H2O; Type II: A mixture of borax and boric acid; and Type III: A polyborate derivation that contains emulsified wax.
MS 599-1:2020	Fibreboard products Part 1: Uncoated fibreboard – Specification (2nd Edition)	Specifies the characteristics of uncoated fibreboard.
MS 599-2:2020	Fibreboard products Part 2: Coated fibreboard – Specification (2nd Edition)	Specifies the characteristics of coated fibreboard.
MS 601:2014	Nutmeg (whole or broken) and mace (whole or in pieces) – Specification (2nd Edition)	Specifies requirements for nutmeg (whole or broken) and mace (whole or in pieces), obtained from the nutmeg tree (Myristica fragrans Houtt) for wholesale commercial purposes.

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MS 606:2020	Wooden scaffold boards – Specification (1st Edition)	Specifies requirements for four types of wooden scaffold board.
MS 623:2017	Mahewu – Specification (2nd Edition)	Specifies requirements and methods of test and sampling for commercially produced mahewu.
MS 639-1:2013	Retro-reflective registration plates for motor vehicles – Specification. Part 1: Blank plates (aluminum) (2nd Edition)	Specifies requirements for aluminium blank plates that are intended for use in the production of number plates covered in MS 639-2.
MS 639-2:2013	Retro-reflective registration plates for motor vehicles – Specification Part 2: Number plates (aluminium) (2nd Edition)	Specifies requirements for aluminium number plates that are intended for use on motor vehicles (including motor cycles and tricycles) and trailers.
MS 640:2011	Hand hacksaw blades – Specification (1st Edition)	Covers five types of steel hand hacksaw blades of nominal length 300 mm and that have a single-toothed edge.
MS 642-1:2011	Lights for motor vehicles Part 1: Incandescent lamps (1st Edition) (SADC Harmonized)	Covers incandescent tungsten filament lamps of the following categories for use in motor vehicles and trailers: R2, H1, H2, H3, H4, P21W, P21/5W, R5W, R10W, C5W, C18W, C21W, T4W, W3W and W5W.
MS 642-2:2011	Lights for motor vehicles Part 2: Head lamps (1st Edition) (SADC Harmonized)	Covers the requirements for the photometric properties of headlights emitting an asymmetrical dipped beam or a main beam, or both, and used in headlight systems meeting left-hand rule-of-road requirements.
MS 642-3:2011	Lights for motor vehicles Part 3: Secondary lights (1st Edition) (SADC Harmonized)	Covers the photometric characteristics of secondary lights for vehicles lights, parking lights, reversing lights, rear registration-plate lights and end-outline marker lights) and of assemblies of these.
MS 643-1:2013	Retro-reflective and fluorescent warning signs for road vehicles-Specification. Part 1: Triangles (1st Edition) (SADC Harmonized)	Covers requirements for two types of triangles that are retro-reflective and fluorescent and are intended to be carried in motor vehicles operating on public roads.
MS 643-2:2013	Retro-reflective and fluorescent warning signs	Covers requirements for abnormal load signs that are retro-reflective and

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	for road vehicles-Specification. Part 2: Abnormal load vehicle signs (1st Edition) (SADC Harmonized)	fluorescent and that are intended for use on motor vehicles operating on public roads.
MS 643-3:2013	Retro-reflective and fluorescent warning signs for road vehicles-Specification. Part 3: Signs other than triangles, chevron signs and abnormal load vehicle signs (1st Edition) (SADC Harmonized)	Covers requirements for signs, including decals, that are retro-reflective and fluorescent, and that are intended to indicate— (*a*) the maximum permissible speed; (*b*) the width of motor vehicles operating on public roads; and (*c*) identification of emergency vehicles.
MS 643-4:2013	Retro-reflective and fluorescent warning signs for road vehicles-Specification. Part 4: Retro-reflective chevron signs (1st Edition) (SADC Harmonized)	Specifies requirements for retro-reflective chevron signs that incorporate a substrate and that are intended for use on motor vehicles that operate on public roads.
MS 643-5:2013	Retro-reflective and fluorescent warning signs for road vehicles-Specification. Part 5: Retro-reflective chevron decals (1st Edition) (SADC Harmonized)	Covers requirements for retro-reflective warning signs manufactured as a coated chevron decals having self-adhesive bases of pigmented vinyl or other polymeric material and intended for use on motor vehicles operating on public roads.
MS 647-1:2010	Safety glass for vehicles – Specification Part 1: High penetration-resistant laminated safety glass (2nd Edition) (SADC Harmonized)	Covers high penetration-resistant laminated safety glass including bullet-resistant glazing materials for use in vehicles.
MS 647-3:2010	Safety glass for vehicles - Specification Part 3: Toughened safety glass for vehicles (2nd Edition)	Covers toughened safety glass for use in vehicles.
MS 666-1:2014	Components of pressure pipe systems Part 1: Unplasticized poly (vinyl chloride) (PVC-U)	Specifies requirements for unplasticized poly(vinyl chloride) (PVC-U) pipes and injection-moulded fittings that are intended for above-ground and below-ground

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	pressure pipes– Specification (2nd Edition)	pressure applications for the conveyance of potable water in reticulation systems and for other applications in which continuous temperatures in excess of 25 °C are not encountered.
MS 666-2:2014	Components of pressure pipe systems Part 2: Modified polyvinyl chloride (PVC-M) pressure pipe systems –Specification (4th Edition)	Specifies requirements for modified unplasticized poly(vinyl chloride) (PVC-M) pipes (with integral joints that incorporate rubber sealing/ rings) and fittings (post-formed from pipe made of PVC-M) that are intended for above-ground and below-ground pressure applications for the conveyance of potable water in reticulation systems and for other applications in which continuous temperatures in excess of 25 °C are not encountered.
MS 734: 2013	Plastic carrier bags and flat bags – Specification (2nd Edition)	Specifies requirements for carrier bags and flat bags that are made from thermoplastic materials and are domestically produced or imported for use within Malawi.
MS 745:2014	Mayonnaise –Specification (1st Edition)	Prescribes the requirements for mayonnaise.
MS 771:2014	Chocolate and chocolate products – Specification (1st Edition)	Applies to chocolate and chocolate products intended for human consumption.
MS 782-2:2011	Glass in building – Basic soda lime silicate glass products – Part 2: Float glass (1st Edition)	Specifies dimensional and minimum quality requirements (in respect of optical and visual faults) for float glass.
MS 782-3:2011	Glass in building – Basic soda lime silicate glass products – Part 3: Polished wire glass. (1st Edition)	Specifies dimensional and minimum quality requirements (in respect of optical and visual and wire faults) for polished wire glass, as defined in MS 782-1, for use in building.
MS 782-4:2011	Glass in building–Basic soda lime silicate glass products – Part 4: Drawn sheet glass (1st Edition)	Specifies dimensional and minimum quality requirements (in respect of optical and visual and wire faults) for drawn sheet glass, as defined in MS 782-1, for use in building.
MS 786:2016	Cigarettes – Specification (2nd Edition)	Specifies the requirements and the methods of sampling and testing for cigarettes processed, marketed, distributed or sold in Malawi.

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MS 793-1: 2014	The structural use of steel – Part 1: Limit-state design of hot-rolled steelwork (1st Edition)	Provides rules and requirements for the design, fabrication and erection of steel structures. The design is based on limit states. This standard also applies to structural steel components in structures framed in other materials.
MS 793-2: 2014	The structural use of steel– Part 2: Limit-state design of cold formed steelwork (1st Edition)	Applies to the design, based on limit states, of structural members cold-formed to shape, from carbon or low-alloy steel sheet, strip or plate of thickness up to 25 mm and intended for load-carrying purposes in buildings.
MS 803:2017	Fermented milk – Specification (1st Edition)	Applies to fermented milk, including, heat treated fermented milk, concentrated fermented milk and composite milk products based on these products, for direct consumption or further processing.
MS 819-1:2014	Titanium dioxide pigments for paints Part 1:Specifications and methods of test (1st Edition)	Specifies the requirements and corresponding methods of test for titanium dioxide pigments for paints.
MS 831-3:2017	Rotating electrical machines Part 3: Specific requirements for cylindrical rotor synchronous machines (1st Edition)	Applies to three-phase cylindrical rotor synchronous machines, having rated outputs of 10MVA (or MW) and above.
MS 831-5:2017	Rotating electrical machines Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) – Classification (1st Edition)	Applies to the classification of degrees of protection provided by enclosures for rotating electrical machines. It defines the requirements for protective enclosures that are in all other respects suitable for their intended use and which, from the point of view of materials and workmanship, ensure that the properties dealt with in this standard are maintained under normal conditions of use.
MS 831-11:2017	Rotating electrical machines Part 11: Thermal protection (1st Edition)	Specifies requirements relating to the use of thermal protectors and thermal detectors incorporated into the stator windings or placed in other suitable positions in induction machines in order to protect them against serious damage due to thermal overloads.

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MS 831-22:2017	Rotating electrical machines Part 22: A.C. generators for reciprocating internal combustion (RIC) engine driven generating sets (1st Edition)	Establishes the principal characteristics of A.C. generators under the control of their voltage regulators when used for reciprocating internal combustion (RIC) engine driven generating set application and supplements the requirements given in MS 831-1. It covers the use of such generators for land and marine use, but excludes generating sets used on aircraft or used to propel land vehicles and locomotives.
MS 831-23:2017	Rotating electrical machines Part 23– Specification for the refurbishing of rotating electrical machines (1st Edition)	Covers the activities necessary to ensure the satisfactory rewinding and refurbishment of all types and sizes of rotating electrical machines.
MS 833:2013	Thermostats for electric storage water heaters (Geysers) – Specification (1st Edition)	Covers two types of thermostats that have contact breakers of the air-break type for use in thermostatically controlled electric storage water heaters. The thermostats are intended for use in circuits at voltages not exceeding 240 V between phase and neutral and current ratings not exceeding 30 A.
MS 834:2013	Energy regulators for electric heating units – Specification (1st Edition)	Specifies requirements for energy regulators for electric heating units for household and similar use. It covers Class I and Class II regulators that have rated currents not exceeding 20 A and that are suitable for use in A.C. circuits for substantially resistive loads with a power factor not less than 0.95 at voltages between 220 V and 240 V between phase and neutral conductors.
MS 848:2011	The identification and classification of dangerous goods for transport (1st Edition)	Covers the identification of dangerous goods that are capable of posing a significant risk to health and safety of persons or to property and the environment.
MS 890:2013	Sanitary towels – Specification (1st Edition)	Specifies the requirements and test methods for sanitary towels.
MS 896:2013	Green tea – Definition and basic requirements (1st Edition)	Specifies the parts of a named plant that are suitable for making green tea for consumption as a beverage and the chemical requirements for green tea that are used to indicate that tea from that source has been produced in accordance with good production practice. It also specifies the packing and labelling requirements for

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		green tea in containers. It is not applicable to green tea subject to further processing such as decaffeination or further roasting.
MS 912-1:2014	Plastics piping systems for hot and cold water installations–Polypropylene (PP) Part 1: General (1st Edition)	Specifies general aspects of polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.
MS 912-2:2014	Plastics piping systems for hot and cold water installations–Polypropylene (PP) Part 2: Pipes (1st Edition)	Specifies characteristics of pipes made from polypropylene (PP) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems under operating pressures and temperatures appropriate to the class of application.
MS 912-3:2014	Plastics piping systems for hot and cold water installations–Polypropylene (PP) Part 3: Fittings (1st Edition)	Specifies characteristics of fittings for polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) or for heating systems under design pressures and temperatures according to the class of application.
MS 912-5:2014	Plastics piping systems for hot and cold water installations–Polypropylene (PP) Part 5: Fitness for purpose of the system (1st Edition)	Specifies characteristics of the fitness for purpose of polypropylene (PP) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) or for heating systems, under design pressures and temperatures according to the class of application.
MS 937: 2014	Degermed maize (corn) meal and maize (corn) grits – Specification (1st Edition)	Applies to degermed maize (corn) meal and maize (corn) grits for direct human consumption milled from the kernels of common maize, Zea mays L.
MS 938: 2014	Sorghum flour– Specification (1st Edition)	Applies to sorghum flour destined for direct human consumption.

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		The standard does not apply to grits or meal obtained from Sorghum bicolor (L.) Moench.
MS 952:2017	Live working – Ladders of insulating material (1st Edition)	Applies to fully insulating spliced and hook ladders with extension or having a combination of insulating and conductive sections and used for live working on A.C. or D.C. electrical installations at 1000V and above for A.C. and 1500 V and above for D.C.
MS 953-1:2017	Composite sting insulators units for overhead lines with a nominal voltage greater than 1000 V Part 1: Standard strength classes and end fittings. (1st Edition)	Applies to composite string insulator units for A.C. overhead lines with a nominal voltage greater than 1000V and a frequency not greater than 100Hz.
MS 953-2:2017	Composite sting insulators units for overhead lines with a nominal voltage greater than 1000 V Part 2: Dimension and electrical characteristics (1st Edition)	Applies to composite string insulator units with a specified mechanical load (SML) of 40Kn to 210Kn for A.C. overhead lines with a nominal voltage greater than 1000V and a frequency not greater than 100Hz.
MS 954:2017	Overhead lines–Calculation of the electrical component of distance between live parts and obstacles – Method of calculation (1st Edition)	Provides guidance for the calculation of electrical distances between live and earthed parts required to prevent air-gap breakdown, which may endanger members of the public who legitimately come close to live parts. It is applicable only to overhead lines designed to operate at more than 45 kV phase-to-phase A.C.
MS 955:2017	Insulators for overhead lines – Composite line post insulators for A.C. with a nominal voltage greater than 1000V (1st Edition)	Applies to composite line post insulators consisting of a loadbearing, cylindrical, insulating solid core made up of fibres – usually glass – in a resin-based matrix, a housing (outside the insulating core) made of elastomer material (e.g. silicone or ethylene-propylene) and end fittings permanently attached to the insulating core.
MS 963-1:2017	Convertor transformers Part 1: Transformers for industrial applications (1st Edition)	Specifies design and testing of power transformers and reactors which are intended for integration within semiconductor convertor plants. It does not

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		apply to transformers designed for industrial or public distribution of A.C. power in general.
MS 963-2:2017	Convertor transformers Part 2: Transformers for HVDC applications (1st Edition)	Applies to oil-immersed three-phase and single-phase convertor transformers for use in HVDC power transmission. It applies to transformers having two, three or multiple windings.
MS 986: 2014	Petroleum products – Fuels (Class F) –Gas turbine fuels for industrial and marine applications – Specification (1st Edition)	Specifies the requirements for petroleum fuels for gas turbines used in public utility, industrial, and marine applications.
MS 989: 2014	Mineral lubricating oil used in steam or gas turbines – Specification (1st Edition)	Covers mineral oils used in steam and gas turbine lubrication systems where the performance requirements demand a highly refined mineral base oil compounded with rust and oxidation inhibitors plus selected additives as needed to control foam, wear, demulsibility, and so forth.
MS 990: 2014	Lubricants, industrial oils and related products (class L) — Family H (Hydraulic systems) — Specifcations for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU (1st Edition)	Specifies the minimum requirements of unused fire-resistant and less-flammable hydraulic fluids for hydrostatic and hydrodynamic systems in general industrial applications. It is not intended for use in aerospace or power-generation applications where different requirements apply.
MS 991: 2014	Lubricants, industrial oils and related products (class L)– Family X (Greases)– Specification (1st Edition)	Specifies the requirements of greases used for lubrication of equipment, components of machines, vehicles, etc. The purpose of this Standard is to provide guidance to suppliers and end users of greases and to equipment manufacturers of grease-lubricated equipment.
MS 992-1: 2014	Lubricants, industrial oils and related products (class L)– Family C (Gears) – Part 1: Specifications for lubricants for enclosed gear systems (1st Edition)	Establishes the specifications relative to Family C (Gears) for lubricants, industrial oils and related products of Class L.
MS 993: 2014	Machine-tool lubricants – Categories and	Provides the manufacturers and users of machine tools with criteria for the choice

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	specifications (1st Edition)	among the various categories of lubricants and gives specifications for these lubricants.
MS 995: 2014	Standard specification for phosphate ester based fluids for turbine lubrication (1st Edition)	Covers the requirements for phosphate ester based fire resistant fluids for use in turbine lubrication.
MS 997: 2014	Standard specification for mineral hydraulic oils (1st Edition)	Covers mineral oils used in hydraulic systems where the performance requirements demand fluids.
MS 1002: 2013	Miscibility with gasoline and fluidity of two-stroke-cycle gasoline engine lubricants — Specification (1st Edition)	Covers four categories of lubricants intended for use in two-stroke-cycle spark-ignition gasoline engines based on their miscibility with gasoline and their low-temperature fluidity.
MS 1047:2018	Road marking materials – Premix glass beads – Specification	Specifies the requirements for laboratory testing (product control) and qualification procedures for the premixed glass beads used in road marking materials. The requirements taken into consideration in this standard are granulometry, refractive index of the glass, chemical resistance, quality and surface treatments.
MS 1076:2016	Hot dipped galvanised coatings on fabricated iron and steel articles – Specification and test methods (1st Edition)	Specifies the general properties of coatings and test methods for coatings applied by dipping fabricated iron and steel articles (including certain castings) in a zinc melt (containing not more than 2 % of other metals).
MS 1112:2015	Code of hygienic practice for fresh fruits and vegetables (1st Edition)	Covers general hygienic practices for the primary production and packing of fresh fruits and vegetables cultivated for human consumption in order to produce a safe and wholesome product, particularly for those intended to be consumed raw.
MS 1113:2017	Code of practice for milk and milk products (1st Edition)	Applies to the production, processing and handling of milk and milk products as defined in MS 734.
MS 1114:2016	Dressed poultry – Specification (1st Edition)	Specifies quality requirements and methods of test for dressed poultry. It applies to ready to cook poultry, including chicken, ducks, geese, turkeys, pigeons, guinea fowl or any other domesticated bird for commercial purposes.

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MS 1115:2016	Smoking mixtures – Specification (1st Edition)	Prescribes the requirements and the methods of test for smoking mixtures made from a blend of processed tobacco.
MS 1120: 2016	Tobacco and tobacco products – Cigarette filters– Specification (1st Edition)	Specifies the requirements and methods of sampling and testing for cigarette filters.
MS 1257:2016	Baker's yeast–Specification (1st Edition)	Specifies the requirements and the methods of sampling and testing for Baker's yeast.
MS 1265:2016	Cooked cured ham – Specification (1st Edition)	Applies to products designated as "cooked ham" packaged in any suitable packaging material. It does not apply to cooked ham products with compositional characteristics different from those specified.
MS 1274:2016	Cassava crisps–Specification (1st Edition)	Specifies requirements and methods of sampling and testing for crisps made from sweet varieties of cassava (Manihot esculenta Crantz).
MS 1275:2016	Groundnut flour – Specification (1st Edition)	Specifies requirements and methods of sampling and testing for groundnut flour intended for human consumption.
MS 1289-1:2017	Pepper (Piper nigrum L.) whole or ground – Specification Part 1 : Black pepper (1st Edition)	Specifies requirements for black pepper (Piper nigrum L.) whole or ground (powdered).
MS 1289-2:2017	Pepper (Piper nigrum L.) whole or ground – Specification Part 2 : White pepper (1st Edition)	Specifies requirements for white pepper (Piper nigrum L.) (MS 1068), whole or ground, at the following commercial stages: (a) semi processed; and (b) processed.
MS 1290:2017	Ground paprika (Capsicum annum L.) – Specification (1st Edition)	Specifies the requirements for ground paprika.
MS 1291:2017	Dehydrated green pepper (Piper nigram L- Specification (1st Edition)	Specifies the requirements for dehydrated green pepper (Piper nigrum L.).
MS 1293:2017	Dehydrated garlic (Allium sativum L) – Specification (1st Edition)	Specifies requirements for dehydrated garlic (Allium sativum L.).
MS 1296-1:2017	Vanilla [Vanilla fragrans (Salisbury) Ames] – Part 1 : Specification (1st Edition)	Specifies requirements for vanilla belonging to the species Vanilla fragrans (Salisbury) Ames, syn. Vanilla planifolia Andrews.

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MS1364:2016	Synthetic detergent paste – Specification (1st Edition)	Prescribes the requirements, methods of sampling and testing for synthetic detergent pastes based predominantly on the use of alkyl aryl sulphonates for hand and machine wash.
MS 1382:2017	High quality cassava flour– Specification (1st Edition)	Specifies the requirements and methods of sampling and test for high quality cassava flour which is obtained from the processing of cassava roots (Manihot esculenta Crantz) intended for human consumption, industrial use and other application.
MS 1383:2017	Fruit cordials–Specification (1st Edition)	Specifies the requirements for fruit cordials.
MS 1384:2017	Sweet potato crisps – Specification (1st Edition)	Specifies requirements and methods of sampling and testing for crisps made from storage roots of sweet potato (Ipomoea batatas L.) intended for human consumption.
MS 1385:2017	Sweet potato flour – Specification (1st Edition)	Specifies requirements and methods of sampling and testinging for flour which is obtained from the processing of sweet potato roots (Ipomoea batatas L.) intended for human consumption.
MS 1387:2017	Flavoured drink in solid form – Specification (1st Edition)	Specifies the requirements, methods of sampling and testing for flavoured drink in solid form intended for direct human consumption as a ready to drink beverage after reconstitution with potable water.
MS 1390:2017	Energy drinks–Specification (1st Edition)	Specifies requirements and methods of test for non-alcoholic energy drinks intended for direct consumption.
MS 1392:2017	Fruit juice drinks – Specification (1st Edition)	Specifies requirements and methods of sampling and testing for ready to serve drinks containing fruit juice.
MS 1393:2017	Fruit based soft drinks with milk – Specification (1st Edition)	Specifies requirements and methods of test for fruit based soft drinks with milk intended for direct consumption. This standard covers fruit based soft drinks made from a blend of skimmed milk and fruit juices.

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MS 1395:2018	Cottage cheese–Specification (1st Edition)	Applies to cottage cheese intended for direct consumption or for further processing in conformity with the description in Section 3 of the standard.
MS 1396:2018	Edible casein products – Specification (1st Edition)	Applies to edible acid casein, edible rennet casein and edible caseinate, intended for direct consumption or further processing, in conformity with description in Section 3 of the standard.
MS 1397:2018	Whey powders–Specification (1st Edition)	Applies to whey powder and acid whey powder intended for direct consumption or further processing.
MS 1398:2018	A blend of evaporated skimmed milk and vegetable – Specification (1st Edition)	Applies to a blend of evaporated skimmed milk and vegetable fat, also known as a blend of unsweetened condensed skimmed milk and vegetable fat which is intended for direct consumption, or further processing.
MS 1404:2016	Quick frozen fish sticks (fish fingers), fish portions and fish fillets – breaded or in batter – Specification (1st Edition)	Applies to quick frozen fish sticks (fish fingers) and fish portions cut from quick frozen fish flesh blocks, or formed from fish flesh, and to natural fish fillets, breaded or batter coatings, singly or in combination, raw or partially cooked and offered for direct human consumption without further industrial processing.
MS 1449:2020	Whey cheeses – Specification, (1st Edition)	Applies to all products intended for direct consumption or further processing, in conformity with the definition of whey cheeses.
MS 1452:2020	Cream cheese–Specification (1st Edition).	Prescribes the requirements and methods of sampling and testing for cream cheese intended for direct consumption or for further processing
MS 1454:2020	Gouda cheese–Specification (1st Edition).	Prescribes the requirements and methods of sampling and testing for gouda cheese intended for direct consumption or for further processing.
MS 1455:2020	Unripened cheese including fresh cheese – Specification (1st Edition)	Applies to unripened cheese including fresh cheese, intended for direct consumption or further processing.
MS 1456:2020	Cheeses in brine – Specification (1st Edition)	Applies to cheeses in brine intended for direct consumption or further processing.

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MS 1458: 2020	Green grams–Specification and grading (1st Edition)	Applies to the dry whole grains of the green grams of the cultivar Vigna radiata intended for direct human consumption. It does not apply to green grams intended for factory grading and packaging, industrial processing, or to those green grams intended for use in the feeding of animals.
MS 1459: 2020	Finger millet–Specification and grading (1st edition)	Specifies the quality and grading requirements and methods of test for finger millet grains of varieties (cultivars) grown from Eleusine coracana (L.) Gaertner intended for human consumption, that is, ready for its intended use as human food, presented in packaged form or sold loose from the package directly to the consumer. It does not apply to other products derived from finger millet grains.
MS 1460: 2020	Chickpeas–Specification and grading (1st edition)	Specifies the quality and grading requirements and methods of analysis for dry chickpeas of the varieties (cultivars) grown from Cicer arietinum Linn intended for human consumption.
MS 1465: 2020	Instant coffee powder – Specification (1st edition)	Prescribes the requirements and methods of sampling and testing for instant/soluble coffee powder.
MS 1548:2020	Hand sanitizer (alcohol-based) – Specification	Specifies requirements and methods of sampling and testing for alcohol-based hand sanitizer (hand-rub).".

Made this 7th day of April , 2022.

M. K. PHIRI
Minister of Trade and Industry

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