

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: L 417

of **Kiwa ISA Sport B.V.**
Laboratorium

This annex is valid from: **22-06-2022** to **01-07-2024**

Replaces annex dated: **23-06-2021**

Location(s) where activities are performed under accreditation

Head Office

Papendallaan 7
 6861 VD
 Arnhem
 The Netherlands

Location	Abbreviation/ location code
Papendallaan 7 6861 VD Arnhem The Netherlands	AR
On-site	OS

No.	Material or product	Type of activity ¹	Internal reference number	Location
1	Artificial turf	Determination of shock absorption by using the Advanced Artificial Athlete (Triple A)	FIFA Test method 04a FIFA Quality Programme for Football turf (Handbook of Test Methods)	AR / OS
2		Determination of vertical deformation by using the Advanced Artificial Athlete (Triple A)	FIFA Test method 05a FIFA Quality Programme for Football turf (Handbook of Test Methods)	AR / OS
3		Determination of rotational resistance as the torque to rotate a studded plate	FIFA Test method 06 FIFA Quality Programme for Football turf (Handbook of Test Methods)	AR / OS
4		Determination of ball rebound by means of the acoustic method	FIFA Test method 01 FIFA Quality Programme for Football turf (Handbook of Test Methods)	AR / OS

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

¹ If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on [RvA-BR010 list](#).
 If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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5	Artificial turf	Determination angle ball rebound by using a pneumatic cannon and radar gun	FIFA Test method 02 FIFA Quality Programme for Football turf (Handbook of Test Methods)	AR / OS
6		Determination of ball roll by using a ramp	FIFA Test method 03 FIFA Quality Programme for Football turf (Handbook of Test Methods)	AR / OS
7		Determination of surface regularity of the playing surface by means of the straightedge test	FIFA Test method 12 FIFA Quality Programme for Football turf (Handbook of Test Methods)	OS
8	Artificial turf for Football	Determination of field dimensions by using a Distometer	W/FD-49.1 FIFA Quality Programme for Football turf (Handbook of Requirements)	OS
9	Playground surface	Determination of critical fall height and head injury criterion (HIC) value by means of the accelerometric method	NEN-EN 1177	AR / OS
10	Surfaces for sports areas	Determination of thickness of synthetic sports surfaces	EN 1969	AR / OS
11		Determination of shock absorption	EN 14808	AR / OS
12		Determination of vertical deformation	EN 14809	AR / OS
13		Measurement of slip/skid resistance of a surface: The pendulum test	EN 13036-4	AR / OS
14	Artificial turf	Determination of total mass per unit area; gravimetric	W-LB-36.2 in house method (atmosphere and conditioning NEN-EN 15330-1 § 4.8 and measurement ISO 8543 § 6)	AR
15		Determination of <ul style="list-style-type: none"> – the number of tufts or knots per unit length (stitch rate); metrology – the number of spaces per unit length, (stitch gauge); metrology the number of tufts or knots per unit area; metrology	W-LB-20.2 in house method (atmosphere and conditioning NEN-EN 15330-1 § 4.8 and measurement ISO 1763)	AR
16	Infill materials for artificial turf	Determination of loose bulk density; gravimetric	W-LB-37.1 In house method (measurement NEN-EN-1097-3)	AR

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17	Artificial turf (woven carpets)	Determination of mass of pile per unit area above substrate; gravimetric (shearing by hand-held clippers)	W-LB-38.1 In house method (atmosphere and conditioning NEN-EN-15330-1 §4.8 and measurement ISO 8543 §8)	AR
18	Artificial turf	Determination of tuft withdrawal force by using a Constant Rate of Extension (CRE) machine	W-LB-39.1 In house method (sampling and specimens in house method, atmosphere and conditioning NEN-EN-15330-1 §4.8 and measurement NEN-ISO 4919)	AR
19	Artificial turf	Determination of infiltration rate of artificial turf by using falling water head level	FIFA Test method 24 FIFA Quality Programme for Football Turf (Handbook of Test Methods)	AR
20	Artificial turf	Determination of pile length above backing	W-LB-40.1 In house method (sampling and selection of areas of test: NEN-ISO-1957, atmosphere and conditioning NEN-EN-15330-1 §4.8 and measurement NEN-ISO 2549)	AR
21	Yarn in artificial turf	Thermal analysis by use of Differential Scanning Calorimetry (DSC)	FIFA Test method 22 FIFA Quality Programme for Football Turf (Handbook of Test Methods)	AR
22	Synthetic infill in artificial turf	Thermogravimetric analysis (TGA)	FIFA Test method 11 FIFA Quality Programme for Football Turf (Handbook of Test Methods)	AR
23	Yarn in artificial turf	Determination of the linear density decitex (dtex); gravimetric	FIFA Test method 23 FIFA Quality Programme for Football Turf (Handbook of Test Methods)	AR
24	Yarn in artificial turf	Determination of yarn dimensions through an image by use of a microscope	FIFA Test method 25 FIFA Quality Programme for Football Turf (Handbook of Test Methods)	AR
25	Prefabricated elastomeric sheet or tile materials without channels or slots less than 25 mm thick used as underlayers in sports surfacing systems	Determination of the maximum tensile strength; force measurement	W-LB-12230.1 In house method NEN-EN 12230	AR

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26	Prefabricated elastomeric sheet or tile materials with channels or slots less than 25 mm thick used as underlayers in sports surfacing systems	Determination of the maximum tensile strength; force measurement	W-LB-12230.2 In house method; test specimen FIH Hockey turf and field standards, Part 2, Requirements for Hockey turf products; par. 8.17.1.3; measurement NEN-EN 12230	AR
27	Stabilising infill materials in artificial turf	Determination of particle size distribution; sieving method and gravimetry	FIFA Test method 20 FIFA Quality Programme for football turf (Handbook of Test Methods)	AR
28	Artificial sports surfaces	Determination of energy restitution by using the Advanced Artificial Athlete (Triple A)	FIFA Test method 13 FIFA Quality Programme for football turf (Handbook of Test Methods)	AR / OS
29	Artificial turf	Free pile height by using a prism	FIFA Test method 18 FIFA Quality Programme for football turf (Handbook of Test Methods)	AR / OS
30	Infill materials in artificial turf	Infill depth by using a thickness measuring probe	FIFA Test method 21 FIFA Quality Programme for football turf (Handbook of Test Methods)	AR / OS