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# EN 15330-1:2013

## FOOTBALL TURF

## FIELD TEST

## REPORT

<b>Field Reference</b>	Gistrup
<b>Field Address:</b>	Hadsundvej 407 DK-9260 Gistrup Denmark
<b>Report Number:</b>	71830 / 2578s
<b>Report Status:</b>	FINAL
<b>Issue Date:</b>	27-10-20
<b>Client:</b>	WGS Suderbovej 13 DK-9900 Frederikshavn Denmark

## Football Turf Field Test Report





## Laboratory Details



<b>Name</b>	Sports Labs BV
<b>Address</b>	Woudenbergseweg 56-58, 3707HX Zeist, Nederland
<b>Phone</b>	+31618850389
<b>Email</b>	<a href="mailto:info@sportslabs.eu">info@sportslabs.eu</a>

<b>Laboratory Director</b>	Richard Nixon
<b>Field Testing Manager</b>	Yannick Peij
<b>Engineer on site</b>	Nick Hubers
<b>Additional Engineers (if any)</b>	Roy Hubers

<b>Prepared by</b>	
<b>Field Testing Manager</b>	
<b>Date</b>	27-10-20
<b>Checked By</b>	
<b>Laboratory Director</b>	
<b>Date</b>	27-10-20

## Football Turf Field Test Report



## Test Programme

Ball/Surface Interaction	Vertical Ball Rebound Ball Roll	EN 12235: 2013 EN 12234:2013
Player/Surface Interaction	Shock absorption Vertical Deformation Rotational Resistance	EN 14808: 2005 EN 14809: 2005 EN 15301-1: 2007
Construction Requirements	Surface Regularity Water Permeability Dimensions	EN 13036-7: 2003 EN 12616: 2013 Laser Distancemeter
Visual Inspection	Aesthetics	Visual inspection of the surface and surrounding ancillaries

\*All test carried out are within the scope of ISO 17025 accreditation with the exception of visual inspections

## Test Summary

Summary of testing	Pass/Fail	<b>PASS</b>
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Test Conditions

<b>Substrate Type</b>	Dynamic	
<b>Surface Type</b>	3G	
<b>Surface Name</b>	Edel Soccer Future DS 57	
<b>Surface Condition</b>	Dry	
<b>Infill Type</b>	Sand and SBR	
<b>Shockpad</b>	N/A	
	<b>AM</b>	<b>PM</b>
<b>Ambient Temperature (°C)</b>	6	8
	<b>AM</b>	<b>PM</b>
<b>Surface Temperature (°C)</b>	5	11
	<b>AM</b>	<b>PM</b>
<b>Humidity (% RH)</b>	90	87
	<b>AM</b>	<b>PM</b>
<b>Max Wind Speed (m/s)</b>	0.5	1

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Test Results

		Specified Limits	Positions					
			1	2	3	4	5	
Player/Surface Interaction	Shock Absorption (%)	≥55 - ≤70%	60	59	59	60	62	
	Vertical Deformation (mm)	≥4.0 - ≤9.0mm	7.9	7.6	7.5	7.6	8.2	
	Rotational Resistance (Nm)	≥25 - ≤50Nm	33	36	38	33	37	
Ball/Surface Interaction	Vertical Ball Rebound (%)	45 - 75%	68	68	66	66	66	
	Ball Roll (m)	Initial ≥4.0 - ≤10.0m	Direction A	5.5	5.4	5.3	5.3	5.5
			Direction B	5.5	5.6	6.2	5.1	6.3
			Direction C	5.5	6.3	5.4	5.1	6.0
			Direction D	5.9	5.8	5.5	5.6	6.1

Values in RED denote failure of client's specified limits

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TESTING TECHNOLOGY FOR SPORT

Test Results

Construction Requirements	Specified Limits	Positions				
		1	2	3	4	5
		Water Permeability (mm/hr)	≥180mm/hr	3151	3322	3026
Surface Regularity (See diagram Page 6)	No Deviations ≥10mm	Deviations ≥ ± 10mm				
		0				
Dimensions (m)		Parameter	Distance (m)			
		Length	105.0			
		Width	68.0			

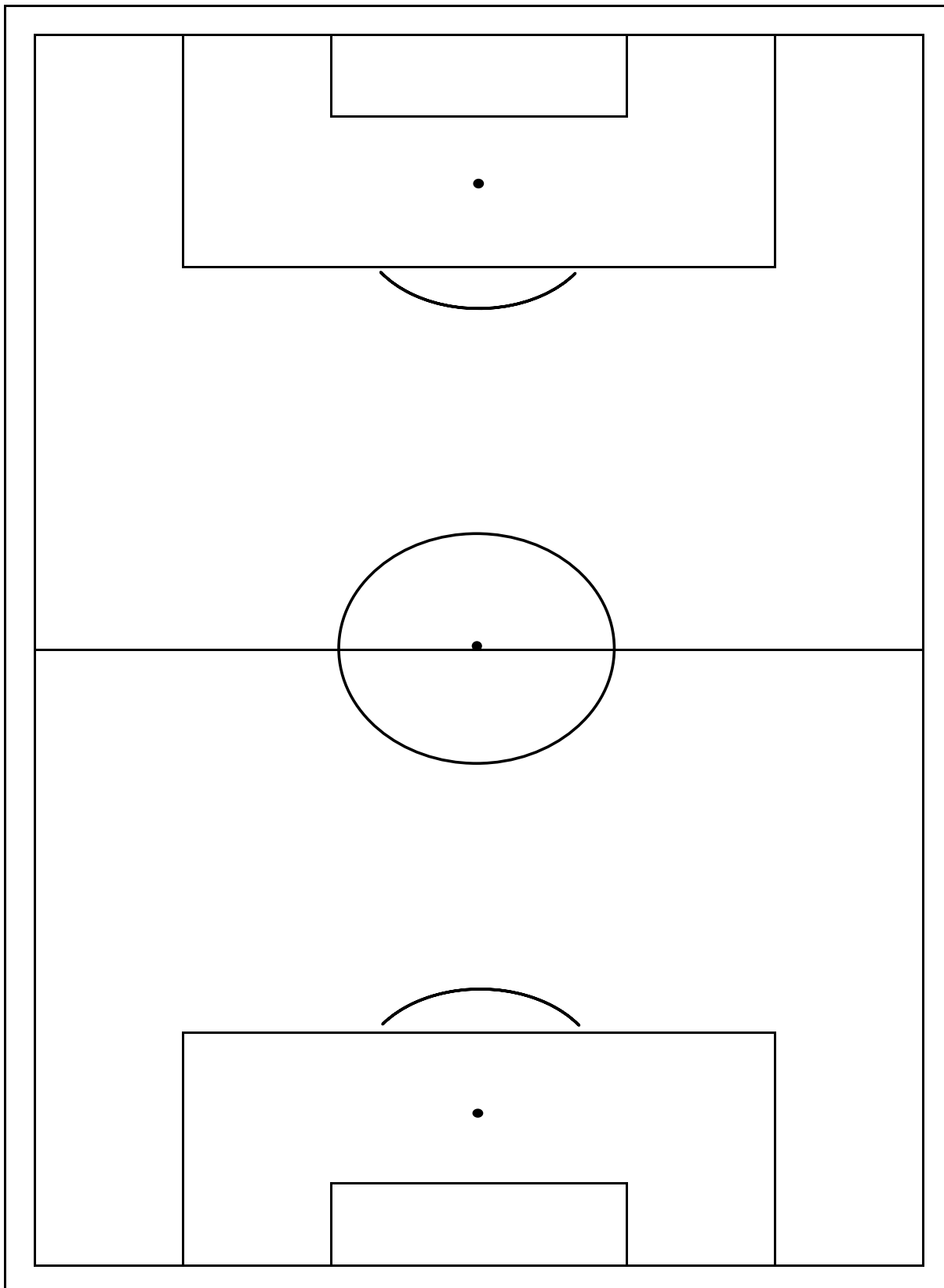
Values in RED denote failure of client's specified limits

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## Plan showing surface irregularities > ± 10mm

Irregularities ≥16mm     Irregularities ≥13 - ≤15mm     Irregularities ≥11 - ≤12mm     Defect - SEE SITE PICTURES



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Visual Inspection

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		Property	Condition
Visual Inspection	Aesthetics	Yarn/Pile	Good condition
		Seams	Good condition
		Line Markings	Sprayed
		Infill	Evenly Distributed
		Goals, Equipment, Fencing	Present
		Housekeeping (Litter etc)	Free from litter



## Football Turf Field Test Report



TESTING TECHNOLOGY FOR SPORT

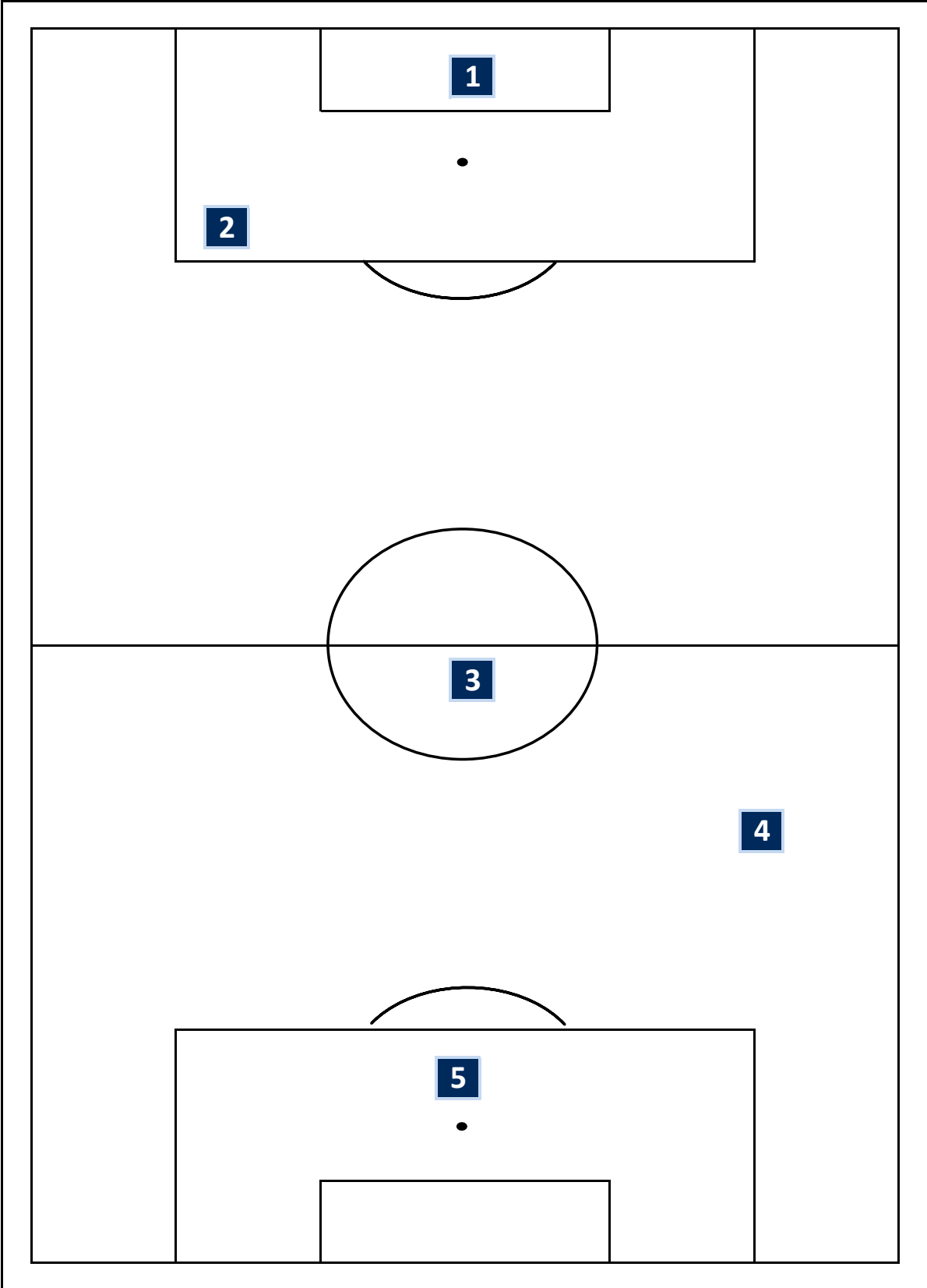
## Line Markings

	Pitch Size	Line Colour	Number of Pitches
Line Markings	11 - A - Side	White	1
	9 - A - Side	Not Present	Not Present
	7 - A - Side	Not Present	Not Present
	5 - A - Side	Not Present	Not Present
	Rugby	Not Present	Not Present
	Hockey	Not Present	Not Present
	Other	Not Present	Not Present

# Football Turf Field Test Report



## Plan showing Test Locations



# Football Turf Field Test Report



## Site Photographs - Overview



# Football Turf Field Test Report



## Site Photographs - Example Defects (If Any)

<p><b>NONE FOUND</b></p>	<p><b>NONE FOUND</b></p>
<p><b>NONE FOUND</b></p>	<p><b>NONE FOUND</b></p>
<p><b>END OF REPORT</b></p>	