

JIANGYIN JINAR INTERNATIONAL CORP
NO.79 RENMIN ROAD ,GUSHAN TOWN ,JIANGYIN CITY ,JIANGSU PROVINCE,CHINA

Sample Descriptions : JINAR SIZE 5 LAMINATED FOOTBALL
Supplier : JIANGYIN JINAR INTERNATIONAL CORP

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Nov 26, 2025
Test Performing Date : Nov 26, 2025 to Dec 08, 2025
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jeffern Li

Jeffern Li
Authorized Signatory

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Verification:
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Guangzhou Branch

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Test Conducted: Based on FIFA rules

Type of the football: FIFA Quality Pro (Outdoor)
 Size of the football: 5
 Pressure indicated by manufacturer: 6-8 lbs
 Number of Tested Samples: 9

Test 1: BALL MASS (test for outdoor, futsal and beach soccer balls)

Test method:

In the laboratory, balls are weighed three times in a sealed cabinet to ensure that the measurement is not influenced by external factors. The results must be within tight limits to fulfill the criteria.

Testing pressure: 0.800 bar; requirement: 420 g to 445 g

Test Results: Details shown as following table

Sample	Weight (g)	Result
D	423.11	Pass
E	425.03	Pass
F	427.97	Pass

Test 2: CONSISTENT CIRCUMFERENCE (test for outdoor, futsal and beach soccer balls)

Test method:

Footballs are inflated to a defined pressure and then the ball's radius is measured at 45,00 points. The circumference is calculated arithmetically in order to ensure that the circumference is consistent and within the limits at every point.

Testing pressure: 0.800 bar; requirement: circumference 68.5 cm to 69.5 cm

Test Results: Details shown as following table

Test sample	Radius(mm)Dimensions of the ball (mm)			Circumference Ave.(mm)	Test Result
	Ave.	Max.	Min.		
A	109.2	109.9	108.5	686.1	Pass
B	109.2	109.9	108.1	686.1	Pass
C	109.2	109.9	108.4	686.1	Pass



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Test 3: PERMANENT ROUNDNESS (SPHERICITY) (test for outdoor, futsal and beach soccer balls)

Test method:

Footballs are inflated to a defined pressure and then the ball's radius is measured at 45,00 points. The differences between each point are calculated mathematically, making it almost impossible to overlook an error on the ball.

Testing pressure: 0.800 bar; requirement: roundness: max 1.5 %.

Test Results: Details shown as following table

Test sample	Roundness (Sphericity) (%)	Test Result
A	0.63	Pass
B	0.91	Pass
C	0.69	Pass

Test 4: Pressure loss (test for outdoor, futsal and beach soccer balls)

Test method:

The ball is inflated to standard pressure. After 72 hours it must not have lost a certain percentage of its air if it is to meet the definition

Requirement: max 15 %

Test Results: Details shown as following table

Test sample	Initial Pressure (bar)	Final Pressure (bar)	Loss pressure (%)	Test Result
D	0.800	0.781	2.4	Pass
E	0.800	0.782	2.3	Pass
F	0.800	0.785	1.9	Pass



Test 5: Rebound (test for outdoor, futsal and beach soccer balls)

Test method:

The balls are dropped ten times onto a steel plate from a height of two metres. Under controlled temperature conditions, balls must rebound consistently

Test pressure: 0.800 bar

Requirement: 20°C: 135 cm to 155 cm; max difference of height 10 cm

5°C: min 125 cm; max difference of height 10 cm

Test Results: Details shown as following table

20°C	rebound height (cm)					Test Result
G	Point 1	Point 2	Point 3	Point 4	Point 5	Pass
	137.5	135.8	137.7	138.2	137.2	
	Point 6	Point 7	Point 8	Point 9	Point 10	
	135.4	136.2	136.4	137.0	138.6	
	average height	Min. height	Max. height	Max. height deviation		
137.0	135.4	138.6	3.2			
05°C	rebound height (cm)					Test Result
G	Point 1	Point 2	Point 3	Point 4	Point 5	Pass
	128.0	128.8	128.9	131.0	132.0	
	average height	Min. height	Max. height	Max. height deviation		
	129.6	128.8	131.0	2.2		

20°C	rebound height (cm)					Test Result
H	Point 1	Point 2	Point 3	Point 4	Point 5	Pass
	136.9	141.0	143.7	138.2	138.6	
	Point 6	Point 7	Point 8	Point 9	Point 10	
	139.7	143.3	136.4	140.9	142.8	
	average height	Min. height	Max. height	Max. height deviation		
140.2	136.4	143.7	7.3			
05°C	rebound height (cm)					Test Result
H	Point 1	Point 2	Point 3	Point 4	Point 5	Pass
	128.2	128.3	130.7	131.6	133.2	
	average height	Min. height	Max. height	Max. height deviation		
	130.2	128.3	131.6	3.3		



20°C	rebound height (cm)					Test Result
I	Point 1	Point 2	Point 3	Point 4	Point 5	Pass
	136.9	138.2	137.7	138.7	140.3	
	Point 6	Point 7	Point 8	Point 9	Point 10	
	140.7	138.4	139.5	137.0	142.2	
	average height	Min. height	Max. height	Max. height deviation		
139.0	136.9	142.2	5.3			
05°C	rebound height (cm)					Test Result
I	Point 1	Point 2	Point 3	Point 4	Point 5	Pass
	128.2	128.3	129.4	129.9	130.1	
	average height	Min. height	Max. height	Max. height deviation		
	129.2	128.3	129.9	1.6		

Test 6: Water absorption (test for outdoor and beach soccer balls)

Put the ball in to a tank filled with water 2 cm in depth. 250 compressing downs with constant ball rotation, ball deformation maximum 25 %

Test pressure: 0.800 bar

Requirement: maximum water uptake per ball not to exceed 10 %

Test Results: Details shown as following table

Test sample	Initial Weight (g)	Final Weight (g)	Dynamic Water Absorption (%)	Test Result
A	429.15	429.36	0.05	Pass
B	426.19	426.37	0.04	Pass
C	424.31	424.45	0.03	Pass

Test 7: Shape and size retention (test for outdoor, futsal and beach soccer balls)

The ball is fired against a steel plate at 50 kilometres per hour –2000 times. The seams and air valves must remain intact and undamaged. Only minimal pressure loss and minimal changes in roundness and (pointer) circumference are permitted.

Test pressure: 0.800 bar

Requirement: Increase in circumference: max 1.5 cm

Change of pressure: max 0.1 bar

Deviation on Sphericity: max 1.5 %



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Test Results: Details shown as following table

Test sample	Initial circumference (mm)	Final circumference (mm)	Circumference Deviation (mm)	Sphericity after test (%)	Test Result
A	686.1	687.4	1.3	0.79	Pass
B	686.1	687.4	1.3	0.96	Pass
C	686.1	687.4	1.3	0.90	Pass

Test sample	Initial Pressure (bar)	Final Pressure (bar)	Change of pressure (bar)	Test Result
A	0.800	0.790	0.010	Pass
B	0.800	0.792	0.008	Pass
C	0.800	0.793	0.007	Pass

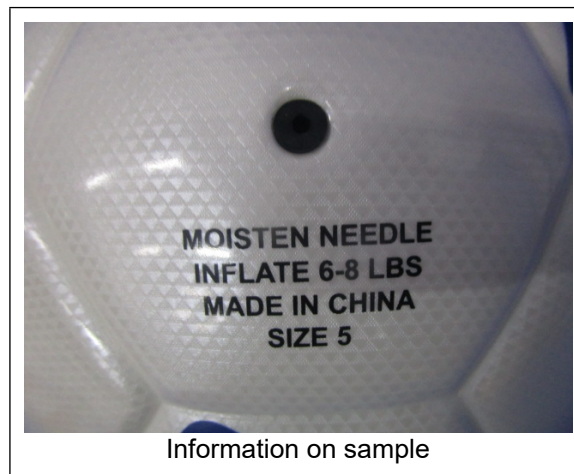
Test sample A~C	Ball air valve	Panels	seam
Before Endurance test	Pass	Pass	Pass
After Endurance test	Pass	Pass	Pass



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Sample Photo(s):



End of Report



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