

Test Report: USA Pickleball - Pickleball Certification

Client:	Facolos	Test Type:	Ball Certification	Payment:	USAPA Price Agreement
Ball Model:	F-Eco	Test Date:	1/14/2026	Report No.:	PR158704-4244
MFR POC:	Hoang Anh Nguyen	Report Issue Date:	1/15/2026	Report Rev No.:	0
Job No.:	PR158704-4244	Date Received:	12/23/2025	Received Via:	UPS

This report contains documentation from testing conducted by Element U.S. Space & Defense in accordance with USA Pickleball (USAPA) Paddle & Pickleball Performance Requirements.

- I. This report has been issued under Element U.S. Space & Defense's Standard Terms and Conditions /
- II. The contents of this test report are proprietary to the manufacturer.
- III. The results of the test relate only to the samples submitted for. This test report shall not be interpreted as an endorsement by Element U.S. Space & Defense as to the contained quality or performance of any items of the sample or similar design.

If there are any questions, comments or concerns regarding the results contained in this report, or any of the other services offered by Element U.S. Space & Defense, please do not hesitate to contact the Element U.S. Space & Defense representatives listed below on this report.

Test Objective

Testing was conducted in accordance with USAPA Ball Certification Test Standard JULY 2020_R0 on model:F-Eco manufactured by Facolos. USAPA's requirements are listed as a performance standard and are not intended to restrict design.

Pre Test Storage

The samples were stored for a period of at least 24 hours at ambient temperature and humidity defined as 70°F (± 5°F) and 50% humidity (± 10%) prior to handling

Deviations from USA Pickleball Certification Test Standard

No deviations were made from the USAPA Certification Test Standard

Test Procedures

All testing was conducted in accordance with the following documents, which can be obtained from Element U.S. Space & Defense at any time by any USAPA Manufacturer:

- I. USAPA Ball Certification Test Standard JULY 2020_R0

Manufacturer	Model	Type	Diameter (Y/N)	USAPA Compliant
Facolos	F-Eco	Ball Certification	Y	Compliant
Avg. Weight (oz.) 0.780 ≤ Ball wt. ≤	Avg. Bounce (in.) ≤ 34.0	Avg. Hardness (D)	Avg. Comp (lbf) ≤ 43.0	
0.934	32.64	52.44	36.89	

The decision rule used to state compliance is in accordance with the test specification used for testing.

Approved By: Marty Bindel
Mechanical & Sports Manager

Date of Issue: 1/15/2026

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Test Setup			
Test Date:	1/14/2026	Temperature:	70
Test Technician:	Hunter Crist	Humidity:	50

Equipment Info			
Equipment ID	SN	Calibration Due Date	Calibration Interval
Minimum Diameter Gauge	Go 75.5 mm-Z	12/30/2026	Internal Verification-CMM
Maximum Diameter Gauge	No Go 73.0 mm-Z	12/30/2026	Internal Verification-CMM
Weight Scale	56663-569	12/18/2026	12-months
Tensile Tester	3366B191416	2/27/2026	12-months
Drop Tower	Tower 1	12/30/2026	Internal Verification

Diameter Testing	Ball #1	Ball #2	Ball #3	Ball #4
No-Go Attempt #1	Y	Y	Y	Y
No-Go Attempt #2	Y	Y	Y	Y
No-Go Attempt #3	Y	Y	Y	Y
Go Attempt #1	Y	Y	Y	Y
Go Attempt #2	Y	Y	Y	Y
Go Attempt #3	Y	Y	Y	Y

Weight Testing	Ball #1	Ball #2	Ball #3	Ball #4
Weight #1 (oz.)	0.932	0.937	0.931	0.937
Weight #2 (oz.)	0.932	0.937	0.931	0.938
Weight #3 (oz.)	0.932	0.937	0.931	0.937

Bounce Testing	Ball #1	Ball #2	Ball #3	Ball #4
Drop #1 (in.)	32.90	33.50	32.90	31.90
Drop #2 (in.)	32.70	30.00	33.50	32.40
Drop #3 (in.)	32.00	32.00	33.00	33.00
Drop #4 (in.)	33.50	33.20	33.10	32.50

Hardness Testing	Ball #1	Ball #2	Ball #3	Ball #4
MAX Reading #1	53.90	53.30	53.60	50.60
MAX Reading #2	44.50	52.40	52.40	54.90
MAX Reading #3	53.60	51.60	55.60	52.80

Compression Testing	Ball #1	Ball #2	Ball #3	Ball #4
Parallel to Seam (lbf)	39.82	38.97	39.05	39.71
Perpendicular to Seam (lbf)	32.99	34.93	34.04	35.56

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Pre Pictures



Pre-Test Picture #1



Pre-Test Picture #1

Post Pictures



Post-Test Picture #1



Post-Test Picture #1

Test Notes + Picture Details/Description: