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Test laboratory for paragliders, paraglider harnesses
and paraglider reserve parachutes

paragliding by air turquoise

Speed of opening, stability, descent rate

Inspection certificate number: **EP_362.2024** **Test Report**

Manufacturer data

Manufacturer name:	**Supair SAS**
Representative:	**Laurent Chiabaut**
Street:	**Parc Altais / 34, rue Adrastée**
Post code / Place:	**74650 Chavanod**
Country:	**France**

Sample data

Name:	**Xlite**	Size:	**80**
Steerable (1):	**No**	Maximum weight in flight (2) [kg]:	**80**
Weight (3) [kg]:	**0.78**	Volume packed [cm³]:	**2800**
Serial number:	**SA_Xlite_80_005**		

Test results (4)	**Test no. 1**	**Test no. 2**
Measured opening time [s]:	**3.98**	**3.28**

Unsteerable parachute and steerable parachute with locked controls (if applicable)

Measured sink rate [m/s] (≤ 5.5):	**5.22**	**5.48**
Stability test:	**Stable**	**Stable**

Steerable parachute and steerable parachute with unlocked controls (if applicable)

Measured sink rate [m/s] (≤ 4.0):	**n/a**	**n/a**
Stability test:	**n/a**	**n/a**
Test of steerability:	**n/a**	**n/a**

Test data		**Test no. 1**	**Test no. 2**
Place of test		**Villeneuve**	**Villeneuve**
Date of test		**06.06.2024**	**12.06.2024**
Atmosphere AGL	[°C]	**18**	**14**
	RH [%]	**64**	**68**
	[hPa]	**976**	**968**
	Wind [m/s]	**0.1**	**0.9**
Corrected mass with uncertainty (m_{corr}) [kg]:		**77.1**	**76.7**

If steerable with brake lock system

Place of test		**n/a**	**n/a**
Date of test		**n/a**	**n/a**
Atmosphere AGL	[°C]	**n/a**	**n/a**
	RH [%]	**n/a**	**n/a**
	[hPa]	**n/a**	**n/a**
	Wind [m/s]	**n/a**	**n/a**
Corrected mass with uncertainty (m_{corr}) [kg]:		**n/a**	**n/a**

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Strength test - 40 m/s opening shock

Inspection certificate number: **EP_362.2024**

Test Report

Manufacturer data

Manufacturer name:	**Supair SAS**
Representative:	**Laurent Chiabaut**
Street:	**Parc Altais / 34, rue Adrastée**
Post code / Place:	**74650 Chavanod**
Country:	**France**

Sample data

Name:	**Xlite**	Size:	**80**
Steerable	**No**	Maximum weight [kg]:	**80**
Weight [kg]	**0.78**	Volume packed [cm^3]:	**2800**
Serial number:	**SA_Xlite_80_002**		

Test data (1)	**Test no. 1**	**Test no. 2**
Place of test	**St-Cierges**	**St-Cierges**
Date of test	**01.05.2024**	**01.05.2024**
Maximum weight [kg]	**80**	**80**
Inspector:	**Nicolas Jacquod**	**Nicolas Jacquod**
Atmosphere AGL		
[°C]	**13**	**15**
RH [%]	**57**	**67**
[hPa]	**912**	**909**
Wind [m/s]	**0.3**	**0.2**

Test results	**Test no. 1**	**Test no. 2**
Strength test (40m/s shock)	**POSITIVE**	**POSITIVE**
Aircraft speed uncertainty K=2 [m/s] (2)	2.9	2.9

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Test laboratory for paragliders, paraglider harnesses
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paragliding by air turquoise

Identification number: **MISC_283.2024**

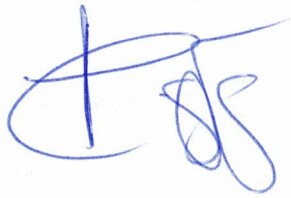
Supair SAS Xlite_dynamiq_riser

Result summary

Maximum strength for riser, bridle:	**26709.7** [N]
Duration at the requested load:	**2.7** [s]

Place of declaration: **Villeneuve**
Date of issue: **11.06.2024**
Managing director **Andrea Wigger**

Signature:



This signature approves the validity of the test report

Air Turquoise SA has thoroughly tested the sample of emergency parachute mentioned above and certifies its conformity with the standards: **EN 1651:2018+A1:2020**[4] **and NfL 2-565-20 chapter 6.1.4**

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	23.08.2028	HBM	1-S9M/50KN-1	31314652
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Geos n° 11	22

[1] Riser: lowest part of the the parachute system, which is connected to the harness. Bridle: connection between risers and harness, can also be a strap.

[2] The connecting strap has to have a minimum load capacity of 24000 [N]. The exposed part of the connecting belt has to be protected against environmental factors.

[3] Calculated value includes the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measured lies within the assigned range of values with a probability of 95%.

[4] This standards is NOT covered by accreditation D-IS-19457-01

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Identification number: **MISC_285.2024**

Supair SAS Xlite_80_container 80

Result summary

Inner container strength test. Applied minimum 700 N for at least 10 seconds and at maximum strength.
Duration at the required strength: **11.2** [s]
Maximum strength before broken: **750.1** [N]

Place of declaration: **Villeneuve**
Date of issue: **21.06.2024**
Managing director: **Alain Zoller**

Signature:



Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor 10kN SL2	23.08.2028	Burster / MTS	8431-6010-N000S000	593507
Winch	check every 12 month	Arwin	300/600	N/A
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Geos n° 11	22

This signature approves the validity of the test report

Air Turquoise SA has thoroughly tested the sample of riser/bridle mentioned above and certifies its conformity with the following standards:
EN 12491:2015+A1:2021[4] chapter 5.3.2 and NfL 2-565-20 chapter 6.1.8

[1] Inner container: container of the folded emergency parachute.

[2] Inner container (the connection between handgrip and inner container) is loaded at min 700 [N] over 10 seconds. The deployment system is loaded until breaking. Each component is tested.

[3] Calculated value includes the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measured lies within the assigned range of values with a probability of 95%.

[4] This standard is NOT covered by accreditation D-IS-19457-01

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