

Speed of opening, stability, descent rate

Inspection certificate number:

EP_372.2025

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:	95
Steerable ⁽¹⁾ :	No	Maximum weight in flight ⁽²⁾ [kg]:	95
Weight ⁽³⁾ [kg]:	0.88	Volume packed [cm ³]:	2700
Serial number:	SA_Xlite_95		

Test results ⁽⁴⁾

	Test no. 1	Test no. 2
Measured opening time [s]:	3.11	2.88
Unsteerable parachute and steerable parachute with locked controls (if applicable)		
Measured sink rate [m/s] (≤ 5.5):	4.91	5.13
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	04.07.2024	08.11.2024
Atmosphere AGL	17	9
[°C]	17	9
RH [%]	67	79
[hPa]	965	982
Wind [m/s]	0.4	0.2
Corrected mass with uncertainty (m_{corr}) [kg]:	90.7	94.0

If steerable with brake lock system

Place of test	n/a	n/a
Date of test	n/a	n/a
Atmosphere AGL	n/a	n/a
[°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

Strength test - 40 m/s opening shock

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Representative: **Laurent Chiabaut**
Street: **Parc Altaïs / 34, rue Adrastée**
Post code / Place: **74650 Chavanod**
Country: **France**

Sample data

Name: **Xlite** Size: **95**
Steerable: **No** Maximum weight [kg]: **95**
Weight [kg]: **0.88** Volume packed [cm³]: **2700**
Serial number: **SA_Xlite_95_002**

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	St-Cierges	St-Cierges
Date of test	15.10.2024	15.10.2024
Maximum weight [kg]	95	95
Inspector:	Olivier Zoller	Olivier Zoller

Atmosphere AGL

[°C]	13	15
RH [%]	57	67
[hPa]	912	909
Wind [m/s]	0.3	0.2

Test results

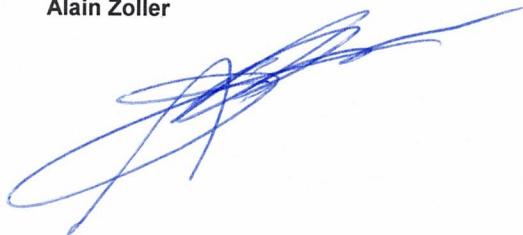
	Test no. 1	Test no. 2
Strength test (40m/s shock)	POSITIVE	POSITIVE
Aircraft speed uncertainty K=2 [m/s] ⁽²⁾	2.9	2.9

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⁽¹⁾ 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

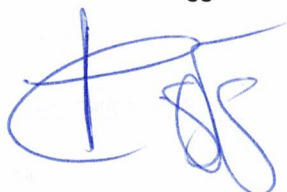
The declaration must not be reproduced in part without the written permission of Air Turquoise SA

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⁽¹⁾** 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