

## Speed of opening, stability, descent rate

Inspection certificate number: **EP\_326.2021**

**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: **Fluid Light Evo** Size: **M**  
 Steerable <sup>(1)</sup>: **No** Maximum weight in flight <sup>(2)</sup> [kg]: **105**  
 Weight <sup>(3)</sup> [kg]: **1.19** volume packed [cm<sup>3</sup>]: **4200**  
 Serial number: **SA-FLE-M-P4-0121**

### Test data <sup>(4)</sup>

	Test no. 1	Test no. 2
Place of test:	<b>Villeneuve</b>	<b>Villeneuve</b>
Date of test:	<b>28.09.2021</b>	<b>06.10.2021</b>
Inspector:	<b>Claude Thurnheer</b>	<b>Claude Thurnheer</b>

### Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	<b>17</b>	<b>12.5</b>
RH [%]	<b>72</b>	<b>67</b>
[hPa]	<b>977</b>	<b>975</b>
Wind [m/s]	<b>0.1</b>	<b>2.2</b>

### Summary of both results <sup>(5)</sup>

	EN	NfL
Time of opening test [s]:	<b>2.82</b>	<b>2.82</b>
Calculated descent rate test [m/s]:	<b>5.47</b>	<b>5.47</b>
Stability test:	<b>POSITIVE</b>	<b>POSITIVE</b>
Behaviour during descent test:	<b>Stable</b>	<b>Stable</b>
Glider ratio:	<b>POSITIVE</b>	

### If steerable:

Any flight procedure and/or configuration described in the user's manual	<b>N/A</b>	<b>N/A</b>
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## Strength test - 40 m/s opening shock

Inspection certificate number: **EP\_326.2021**

**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: **Fluid Light Evo** Size: **M**  
 Steerable: **No** Maximum weight [kg]: **105**  
 Weight [kg]: **1.19** volume packed [cm<sup>3</sup>]: **4200**  
 Serial number: **SA-FLE-M-P3-0121**

### Test data <sup>(1)</sup>

	Test no. 1	Test no. 2
Place of test	<b>St-Cierge</b>	<b>St-Cierge</b>
Date of test	<b>13.09.2021</b>	<b>13.09.2021</b>
Corrected mass [kg]	95.89	95.89
Inspector:	<b>Nicolas Jacquod</b>	<b>Nicolas Jacquod</b>

### Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	<b>17</b>	<b>17</b>
RH [%]	<b>61</b>	<b>61</b>
[hPa]	<b>923</b>	<b>923</b>
Wind [m/s]	<b>0.1</b>	<b>0.1</b>

### Test results

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

Item / type no.	Validity	Manufacturer	S/N
Weight	check every 12 months	Air Turquoise SA	N/A
Geos n° 11	18.06.2025	JDC elec.	Unit11
Weak link	continuously	Tost	N/A

Identification number: **MISC\_112.2019**

**Supair Sàrl Fluid Light one size**

**Result summary**

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Inner container strength test. Applied minimum 700 N for at least 10 seconds and at maximum strength.

Duration at the required strength: **14.0 [s]**

The maximum strength before broken: **835.0 [N]**

Place of declaration **Villeneuve**  
Date of issue: **05.03.2019**  
Managing director **Alain Zoller**

Signature:



This signature approve the validity of the test report, and can be included in the inspection certificate 71.5.1

**Air Turquoise SA** has thoroughly tested the sample of riser/bridle mentioned above and certifies its conformity with the standards: **EN 12491: 2015 chapter 5.3.2 and LTF NfL 91/09 chapter 6.1.8**

Instrument	Validity	Manufacturer	Type no.	S/N
Load Cell (axial)	01.06.2021	Burster GmbH (DE)	8431-10000	1185483
Winch	check every 12 month	Arwin	300/600	N/A
Geos n° 11 Skywatch	08.05.2017	JDC elec.	Geos n° 11	22

<sup>(1)</sup> Inner container: container of the folded emergency parachute.

<sup>(2)</sup> 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.

<sup>(3)</sup> Calculated value include 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%.

Identification number: **MISC\_127.2019****Supair Sàrl Mono 5mm****Result summary**

Maximum strength for riser, bridle

**31863.4 [N]**Place of declaration **Villeneuve**  
Date of issue: **04.05.2019**  
Managing director **Alain Zoller**

Signature:

This signature approve the validity of the test report, and can be included in the inspection certificate 71.5.1

**Air Turquoise SA** has thoroughly tested the sample of emergency parachute mentioned above and certifies its conformity with the standards: **LTF NfL II 91/09 chapter 6.1.4**

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	04.09.2023	HBM	1-S9M/50KN-1	31314652
Geos n° 11 Skywatch	08.05.2020	JDC elec.	Geos n° 11	22

<sup>(1)</sup> Riser: lowest part of the parachute system, which is connected to harness. Bridle: connection between riser and harness, can also be a strap.<sup>(2)</sup> 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.<sup>(3)</sup> Calculated value include 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%.