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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_360.2024** **Test Report**

Manufacturer data

Manufacturer name:	**Companion / Evotec Ltd**
Representative:	**Peter Mack**
Street:	**Munkacsy M. Str. 8**
Post code / Place:	**7695 Mecseknadasd**
Country:	**Hungary**

Sample data

Name:	**SQR Light2**	Size:	**200**
Steerable (1):	**No**	Maximum weight in flight (2) [kg]:	**200**
Weight (3) [kg]:	**1.89**	Volume packed [cm³]:	**7000**
Serial number:	**RP138**		

Test results (4)	**Test no. 1**	**Test no. 2**
Measured opening time [s]:	**3.38**	**2.81**

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

Measured sink rate [m/s] (≤ 5.5):	**5.16**	**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		**21.02.2024**	**29.02.2024**
Atmosphere AGL	[°C]	**7**	**8**
	RH [%]	**77**	**75**
	[hPa]	**976**	**975**
	Wind [m/s]	**0.1**	**0.1**
Corrected mass with uncertainty (m_{corr}) [kg]:		**198.9**	**197.1**

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_360.2024**

Test Report

Manufacturer data

Manufacturer name:	**Companion / Evotec Ltd**
Representative:	**Peter Mack**
Street:	**Munkacsy M. Str. 8**
Post code / Place:	**7695 Mecseknadasd**
Country:	**Hungary**

Sample data

Name:	**SQR Light2**	Size:	**200**
Steerable	**No**	Maximum weight [kg]:	**200**
Weight [kg]	**1.886**	Volume packed [cm^3]:	**7000**
Serial number:	**RP137**		

Test data (1)	**Test no. 1**	**Test no. 2**
Place of test	**St-Cierges**	**St-Cierges**
Date of test	**25.01.2024**	**25.01.2024**
Maximum weight [kg]	**200**	**200**
Inspector:	**Nicolas Jacquod**	**Nicolas Jacquod**
Atmosphere AGL		
[°C]	**6**	**12**
RH [%]	**75**	**69**
[hPa]	**935**	**934**
Wind [m/s]	**0.2**	**0.1**

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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paragliding by air turquoise

Identification number: **MISC_036.2017**

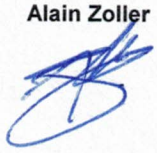
Evotec Ltd SQR light one size

Result summary

Inner container strength test. Applied minimum 700 N for at least 10 seconds and at maximum strength.
Duration at the required strength: **12.2** [s]
The maximum strength before broken: **12.8** [N]

Place of declaration **Villeneuve**
Date of issue: **05.05.2017**
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 | 2001 chapter 5.3.2 and LTF 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	11.01.2018	Arwin	300/600	N/A
Geos n° 11 Skywatch	08.05.2017	JDC elec.	Geos n° 11	22

(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 secondes. The deployment system is loaded until breaking. Each component is tested.

(3) 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 measurand lies within the assigned range of values with a probability of 95%.

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Identification number: **MISC_246.2023**

Companion / Evotec Ltd SQR LIGHT2 SERIES

Result summary

Maximum strength for riser, bridle:	**36563.1** [N]
Duration at the requested load:	**5.0** [s]

Place of declaration: **Villeneuve**
Date of issue: **16.02.2023**
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	04.09.2023	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