



## Speed of opening, stability, descent rate

Inspection certificate number: **EP\_315.2021**

**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:	<b>SQR Prime</b>	Size:	<b>140</b>
Steerable <sup>(1)</sup>	<b>No</b>	Maximum weight in flight <sup>(2)</sup> [kg]:	<b>140</b>
Weight <sup>(3)</sup> [kg]	<b>1.76</b>	volume packed [cm <sup>3</sup> ]:	<b>5700</b>
Serial number:	<b>RP069</b>		

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

	<b>Test no. 1</b>	<b>Test no. 2</b>
Place of test	<b>Villeneuve</b>	<b>Villeneuve</b>
Date of test	<b>04.05.2020</b>	<b>19.05.2020</b>
Inspector:	<b>Claude Thurnheer</b>	<b>Claude Thurnheer</b>

### Atmosphere AGL

	<b>Test no. 1</b>	<b>Test no. 2</b>
[°C]	<b>13</b>	<b>21</b>
RH [%]	<b>76</b>	<b>69</b>
[hPa]	<b>974.8</b>	<b>975.1</b>
Wind [m/s]	<b>0.1</b>	<b>0.1</b>

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

	<b>EN</b>	<b>LTF</b>
Time of opening test [s]:	<b>3.99</b>	<b>3.99</b>
Calculated descent rate test [m/s]:	<b>5.21</b>	<b>5.21</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 - 50 m/s opening shock

Inspection certificate number: **EP\_315.2021**

**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 Prime** Size: **140**  
 Steerable **No** Maximum weight [kg]: **140**  
 Weight [kg] **1.76** volume packed [cm<sup>3</sup>]: **5700**  
 Serial number: **RP072**

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

	Test no. 1	Test no. 2
Place of test	<b>St.-Cierges</b>	<b>St.-Cierges</b>
Date of test	<b>19.08.2020</b>	<b>19.08.2020</b>
Corrected mass [kg]	127.71	127.71
Inspector:	<b>Alain Zoller</b>	<b>Alain Zoller</b>

### Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	<b>16</b>	<b>16</b>
RH [%]	<b>64</b>	<b>64</b>
[hPa]	<b>921</b>	<b>921</b>
Wind [m/s]	<b>0.1</b>	<b>0.1</b>

### Test results

	Test no. 1	Test no. 2
Strength test (50m/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\_183.2021**

**Companion / Evotec Ltd SQR 100/120**

**Result summary**

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

Duration at the required strength: **14.2 [s]**

The maximum strength before broken: **858.5 [N]**

Place of declaration **Villeneuve**  
 Date of issue: **04.05.2021**  
 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)		04.09.2023	Burster GmbH (DE)	8431-10000	1185483
Winch	check every 12 month		Arwin	300/600	N/A
Geos n° 11 Skywatch		08.05.2020	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\_040.2017**

**Evotec Ltd Rescue single riser**

**Result summary**

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Maximum strength for riser, bridle **27475.7 [N]**

Place of declaration **Villeneuve**  
 Date of issue: **09.06.2017**  
 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 emergency parachute mentioned above and certifies its conformity with the standards: **LTF NFL II 9/09 chapter 6.1.4**

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	14.10.2017	HBM	1-S9M/50KN-1	31314652
Geos n° 11 Skywatch	08.05.2017	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 measurand lies within the assigned range of values with a probability of 95%.