



## Speed of opening, stability, descent rate

Inspection certificate number: EP\_355.2023

Test Report

### Manufacturer data

Manufacturer name: **Gin Gliders Inc.**  
 Representative: **Gin Seok Song**  
 Street: **2318-32, Baegok-daero, Mohyeon-myeon**  
 Post code / Place: **17036 Cheoin-gu, Yongin-si, Gyeonggi-do**  
 Country: **Rep. of Korea**

### Sample data

Name: **Yeti Cross 2** Size: **M**  
 Steerable <sup>(1)</sup>: **No** Maximum weight in flight <sup>(2)</sup> [kg]: **105**  
 Weight <sup>(3)</sup> [kg]: **1.24** Volume packed [cm<sup>3</sup>]: **4300**  
 Serial number: **BM02-QYC20015**

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

|                            | Test no. 1  | Test no. 2  |
|----------------------------|-------------|-------------|
| Measured opening time [s]: | <b>3.71</b> | <b>2.98</b> |

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

|  |               |               |
|--|---------------|---------------|
| Measured sink rate [m/s] ( $\leq 5.5$ ): | <b>5.22</b>   | <b>5.48</b>   |
| Stability test:                          | <b>Stable</b> | <b>Stable</b> |

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

|  |            |            |
|--|------------|------------|
| Measured sink rate [m/s] ( $\leq 4.0$ ): | <b>n/a</b> | <b>n/a</b> |
| Stability test:                          | <b>n/a</b> | <b>n/a</b> |
| Test of steerability:                    | <b>n/a</b> | <b>n/a</b> |

### Test data

|  | Test no. 1        | Test no. 2        |
|--|-------------------|-------------------|
| Place of test  | <b>Villeneuve</b> | <b>Villeneuve</b> |
| Date of test   | <b>23.08.2023</b> | <b>30.08.2023</b> |
| Atmosphere AGL                                       |                   |                   |
| [°C]   | <b>28</b>         | <b>14</b>         |
| RH [%]   | <b>60</b>         | <b>78</b>         |
| [hPa]  | <b>967</b>        | <b>965</b>        |
| Wind [m/s]   | <b>0.1</b>        | <b>0.1</b>        |
| Corrected mass with uncertainty ( $m_{corr}$ ) [kg]: | <b>96.7</b>       | <b>100.3</b>      |

#### If steerable with brake lock system

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

## Strength test - 40 m/s opening shock

Inspection certificate number: **EP\_355.2023****Test Report**

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 Post code / Place: **17036 Cheoin-gu, Yongin-si, Gyeonggi-do**  
 Country: **Rep. of Korea**

### Sample data

|                |                      |                                   |             |
|----------------|----------------------|-----------------------------------|-------------|
| Name:          | <b>Yeti Cross 2</b>  | Size:                             | <b>M</b>    |
| Steerable      | <b>No</b>            | Maximum weight [kg]:              | <b>105</b>  |
| Weight [kg]    | <b>1.24</b>          | Volume packed [cm <sup>3</sup> ]: | <b>4300</b> |
| Serial number: | <b>BM02-QYC20011</b> |                                   |             |

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

|                     | <b>Test no. 1</b>      | <b>Test no. 2</b>      |
|---------------------|------------------------|------------------------|
| Place of test       | <b>St-Cierges</b>      | <b>St-Cierges</b>      |
| Date of test        | <b>29.06.2023</b>      | <b>29.06.2023</b>      |
| Maximum weight [kg] | <b>105</b>             | <b>105</b>             |
| Inspector:          | <b>Nicolas Jacquod</b> | <b>Nicolas Jacquod</b> |

### Atmosphere AGL

|            | <b>18</b>  | <b>23</b>  |
|------------|------------|------------|
| [°C]       |            |            |
| RH [%]     | <b>67</b>  | <b>49</b>  |
| [hPa]      | <b>966</b> | <b>965</b> |
| Wind [m/s] | <b>0.1</b> | <b>0.4</b> |

### Test results

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



Identification number: **MISC\_270.2023**

**Gin Gliders Inc. Yeti Cross 2 Inner Container M**

**Result summary**

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

Duration at the required strength: **16.7 [s]**  
 Maximum strength before broken: **1169.0 [N]**

Place of declaration: **Villeneuve**  
 Date of issue: **09.11.2023**  
 Managing director: **Andrea Wigger**

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<sup>(4)</sup> chapter 5.3.2 and NFL 2-565-20 chapter 6.1.8**

<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 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%.

<sup>(4)</sup> This standard is NOT covered by accreditation D-IS-19457-01

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Identification number: **MISC\_128.2019**

**Gin Gliders Inc. Yeti UL riser**

### Result summary

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Maximum strength for riser, bridle

**33596.3 [N]**

Place of declaration

**Villeneuve**

Date of issue:

**05.06.2019**

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%.