AIR TURQUOISE SA | PARA-TEST.COM

Route du Pré-au-Comte 8 🔺 CH-1844 Villeneuve 🔺 +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Speed of opening, stability, descent rate

EP_227.2018 **Test Report** Inspection certificate number:

Manufacturer data

Mac Para Technology Manufacturer name:

Peter Recek Representative:

Televizni 2615 - Tesla area Street: Post code / Place: 756 61 Roznov pod Radhostem

0.1

Czech Republic Country:

Sample data

Houston 160 Name: Size: Maximum weight in flight (1) [kg]: Steerable Yes 160 Weight (2) [kg] volume packed [cm³]: 1.778 5300

Serial number: DC160-002

Test data (3) Test no. 1 Test no. 2 Villeneuve Place of test Villeneuve Date of test 14.12.2017 07.02.2017 **Alain Zoller** Inspector: Alain Zoller Atmosphere AGL [°C] 3 5 RH [%] 78 78 [hPa] 973 972.9 Wind [m/s]

0.2

Summary of both results (4)	EN	LTF	
Time of opening test [s]:	4.83	4.83	
Calculated descent rate test [m/s]:	5.20	5.20	
Stability test:	POSITIVE	POSITIVE	
Behaviour during descent test:	Stable	Stable	

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Strength test - 40 m/s opening shock

Inspection certificate number: EP 227.2018 Test Report

Manufacturer data

Manufacturer name: Mac Para Technology

Representative: Peter Recek

Street: Televizni 2615 - Tesla area

Post code / Place: 756 61 Roznov pod Radhostem

Country: Czech Republic

Sample data

 Name:
 Houston
 Size:
 160

 Steerable
 Yes
 Maximum weight [kg]:
 160

 Weight [kg]
 1.778
 volume packed [cm³]:
 5300

Serial number: DC160-001

Test data ⁽¹⁾ Test no. 1 Test no. 2

 Place of test
 Illarsaz
 Illarsaz

 Date of test
 08.12.2016
 08.12.2016

 Corrected mass [kg]
 164.85
 164.85

Inspector: Alain Zoller Alain Zoller

Atmosphere AGL

 [°C]
 2
 2

 RH [%]
 67
 67

 [hPa]
 991.4
 991.4

 Wind [m/s]
 0.2
 0.2

Test results Test no. 1 Test no. 2

Speed of opening (maximum 5 s) Strength test (40m/s shock) Aircraft speed uncertainty K=2 [m/s] (2)

POSITIVE POSITIVE

POSITIVE POSITIVE

1.7

Item / type no.	Validity	Manufacturer	S/N	
Weight	2020	Air Turquoise SA	N/A	
Geos n° 11	08.05.2017	JDC elec.	22	
Weak link	2020	Tost	N/A	

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Additional test for steerable parachutes

Inspection certificate number: EP_227.2018 Test Report

Manufacturer data

Manufacturer name: Mac Para Technology

Representative: Peter Recek

Street: **Televizni 2615 - Tesla area**Post code / Place: **756 61 Roznov pod Radhostem**

Country: Czech Republic

Sample data

 Name:
 Houston
 Size:
 160

 Steerable
 Yes
 Maximum weight in flight (1) [kg]: 160

 Weight (2) [kg]
 1.778
 volume packed [cm³]: 5300

Serial number: DC160-002

Test dat	ta ⁽³⁾ Test no. 1	Test no. 2	
Place of t	test Villeneuve	Villeneuve	
Date of te	est 14.12.2017	07.02.2017	
Inspector	: Alain Zolle	er Alain Zoller	
Atmosp	here AGL		
[°C]	3	5	

 [°C]
 3
 5

 RH [%]
 78
 78

 [hPa]
 973
 972.9

 Wind [m/s]
 0.1
 0.2

Test results

a The emergency parachute is deployed from a paraglider in normal straight flight.

POSITIVE

b The pilot shall take no action while the behaviour of the parachute and paraglider are observed 200 metres.

POSITIVE

c The pilot take action while the behaviour of the parachute and paraglider are observed 200 metres.

POSITIVE

d Any flight procedure and/or configuration described in the user's manual

POSITIVE

The validation of this test report is given by the signature of the test manager on 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: EN 12491:2001 chapter 5.3.6 - LTF NFL II 9/09 chapter 6

(1) Total weight in flight exclude weight of paraglider, also called payload - (2) Weight of the emergency parachute

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⁽³⁾ Check whether every other flight procedure and/or configuration described in the user's manual can be flown safely. This can be done during the opening, stability and descent rate test is done