

## Miscellaneous Impact Pad Report

Inspection certificate number: **MISC\_152.2020**

### Manufacturer data:

Manufacturer name: **OZONE Gliders**  
 Representative: **Russell Ogden**  
 Street: **2, Queens Drive**  
 Post code place: **LA46LN**  
 Country: **UK**  
  
 Harness model: **Not related to specific model**

### Sample data:

Name impact pad: **F\*Race inflated protector**  
 Emergency parachute integrated: **Yes**  
 Impact pad type: **Inflatable**  
 Serial number: **protector01**  
 Weight of sample [kg]: **0.124**  
 Date of test: **23.01.2020**

### Atmosphere AGL:

[C°]	21.8
RH [%]	40
[hPa]	983.6

### Summary of Impact pad test <sup>(1)</sup>

Test id	Test configuration <sup>(2)</sup>	Max Peak of Impact [g] <sup>(3)</sup>	Duration at 38 [g] in [ms] <sup>(4)</sup>	Duration at 20 [g] in [ms] <sup>(5)</sup>	Diff. of test 1 and 2 [%] <sup>(6)</sup>	Result
P	Test sample attached to dummy in flying position, without emergency parachute	26.63	0.00	15.83	-8.45	POSITIVE
PR	Test sample attached to dummy in flying position, Include emergency parachute	0.00	0.00	0.00	0.00	n/a

### Rescue deployment test

Test id	NfL II 91/09	Setup	Min load [N]	Max. load [N]	Measured [N]	Result
RRDT	6.1.5	Default flying position	20	70	0.00	n/a

### Rescue Deployment Handle strength test

Test id	EN 12491	Setup	Req. Load [N]	Min. duration [s]	Breaking strength [N]	Result
RRST	5.3.2	Two end points of handle	700	10	0.00	n/a

### Issue data

Place of declaration: **Villeneuve**  
 Date of issue: **06.08.2020**  
 Managing director: **Alain Zoller**

Signature:



Manufacture	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	23.01.2024
JDC elec	Geos n°11 Skywatch	Geos n°11	22	08.05.2020

This signature approve the validity of the test reports if available. **Air Turquoise SA**, having thoroughly assessed the sample mentioned above, declare it was found conform with all requirements defined by the following norms:

Airworthiness Requirements LTF NfL II 91/09 - European Standard EN1651 :2018

<sup>(1)</sup> Calculated value in tests reports 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%.

<sup>(2)</sup> The dummy is lifted minimum up to 1.65 m, and impact pad is mounted on. Where the impact occurs, measure distance from bottom of impact pad to ground.

<sup>(3)</sup> Maximum peak of impact should be less or equal to 50 [g]. <sup>(4)</sup> If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms]. <sup>(5)</sup> If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms]. <sup>(6)</sup> The test should be done twice, and the 2nd test the maximum peak should not differ more than 20% from the first test, maximum peak.

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Name impact pad: **F\*Race inflated protector**

**Test results of Impact pad test**

	without emergency parachute		include emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	<b>26.63</b>	<b>24.38</b>	<b>0.00</b>	<b>0.00</b>
Impact duration at +38 [g] in [ms]	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Impact duration at +20 [g] in [ms]	<b>15.83</b>	<b>6.67</b>	<b>0.00</b>	<b>0.00</b>
Uncertainty k=2[g]	<b>1.53</b>	<b>1.40</b>	<b>0.00</b>	<b>0.00</b>
Difference of test 1 and 2 [%]	<b>100.00</b>	<b>91.55</b>	<b>100.00</b>	<b>n/a</b>

