

Miscellaneous Impact Pad Report

Inspection certificate number: **MISC_142.2019**

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: **SolosLite inflatable protector**
 Emergency parachute integrated: **Yes**
 Impact pad type: **Inflatable**
 Serial number: **protector001**
 Weight of sample [kg]: **0.124**
 Date of test: **17.12.2019**

Atmosphere AGL:

[C°]	20.1
RH [%]	45
[hPa]	963.2

Summary of Impact pad test ⁽¹⁾

Test id	–	Test configuration ⁽²⁾	Max Peak of Impact [g] ⁽³⁾	Duration at 38 [g] in [ms] ⁽⁴⁾	Duration at 20 [g] in [ms] ⁽⁵⁾	Diff. of test 1 and 2 [%] ⁽⁶⁾	Result
P	✓	Test sample attached to dummy in flying position, without emergency parachute	33.94	0.00	20.83	-0.06	POSITIVE
PR	✓	Test sample attached to dummy in flying position, Include emergency parachute	32.66	0.00	19.17	0.81	POSITIVE

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

⁽¹⁾ 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%.

⁽²⁾ 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.

⁽³⁾ Maximum peak of impact should be less or equal to 50 [g]. ⁽⁴⁾ If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms]. ⁽⁵⁾ If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms]. ⁽⁶⁾ 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: **SolosLite inflatable protector**

Test results of Impact pad test

	without emergency parachute		include emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	33.94	33.92	31.85	32.66
Impact duration at +38 [g] in [ms]	0.00	0.00	0.00	0.00
Impact duration at +20 [g] in [ms]	20.83	20.83	19.17	19.17
Uncertainty k=2[g]	1.95	1.95	1.83	1.88
Difference of test 1 and 2 [%]	100.00	99.94	100.00	102.53

