AIR TURQUOISE SA | PARA-TEST.COM
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Test laboratory for paragliders, paraglider harnesses
and paraglider reserve parachutes

paragliding by air turquoise

Harness Impact Pad Report

Inspection certificate number: **PH_220.2018**

Manufacturer data:		**Sample data:**	
Manufacturer name:	**Sky Paragliders**	Name impact pad:	**n/a**
Representative:	**Nemec Martin**	Impact pad intgrated:	**Yes**
Street:	**Okruzni 39**	Impact pad type:	**Foam**
Post code place:	**73911 Frydlant N.C.**	Serial number:	**n/a**
Country:	**Czech Republic**	Weight of sample [kg]:	**n/a**
		Date of test:	**26.01.2018**
Harness model:	**Prika M**		

Atmosphere AGL:

[C°]	**22**
RH [%]	**38**
[hPa]	**1015.6**

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	V	Test sample attached to dummy in flying position, without emergency parachute	**34.41**	**0.00**	**19.17**	**5.06**	**POSITIVE**
PR	V	Test sample attached to dummy in flying position, Include emergency parachute	**34.66**	**0.00**	**18.33**	**1.09**	**POSITIVE**

Manufacture	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	04.08.2020
JDC elec	Geos n°11 Skywatch	Geos n°11	22	08.05.2019

The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20

(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 differe more than 20% from the first test, maximum peak.

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Inspection certificate number: **PH_220.2018** Name impact pad: **n/a**

Test results of Impact pad test

	without emergency parachute		include emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	**32.75**	**34.41**	**33.57**	**34.66**
Impact duration at +38 [g] in [ms]	**0.00**	**0.00**	**0.00**	**0.00**
Impact duration at +20 [g] in [ms]	**18.33**	**19.17**	**18.33**	**18.33**
Uncertainty k=2[g]	**1.92**	**2.02**	**1.97**	**2.03**
Difference of test 1 and 2 [%]	**100.00**	**105.06**	**100.00**	**103.26**







