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



PH PARAGLIDER HARNESSES | IP IMPACT PAD

INSPECTION CERTIFICATE

Inspection certificate number: PH_IP_167.2016

MANUFACTURER DATA

Manufacturer name: Sky Paragliders

Contact person: Nemec Martin

Street: Okruzni 39

Post code / place: 73911 Frydlant N.C.

Country: Czech Republic

SAMPLE DATA

Name: Gii 3 Alpha

Size: S

Impact pad type: Foam

Horn

Harness type: ABS

Serial number: 2155-13-6241

Weight [kg] : 3.15

Sample reception date: 14.06.2016

Test date: 14.06.2016

ISSUE DATA

Pilot max load [kg]: 120

Place of declaration: Villeneuve

Date of issue: 08.11.2016

Director Management: Alain Zoller

Signature:

This signature aprouve the validity of the test reports PH BP

Air Turquoise SA, having thoroughly assessed the sample mentioned hereunder, declare it was found conform with all requirements defined by the following norms:

Airworthiness requirements for hang gliders and paragliders LTF 2009 as published in NfL 91/09 chapter 5 Paraglider harness protectors

Present declaration's scope only extends to the conformity of a given sample, on a given date and in a given place – as mentioned here above.

This inspection report contain the following test and is complet with the test report PH BP

TESTS RESULTS SUMMARY

Shock impact tests is executed on these harnesses in order to prove the damping characteristics of it.

Test ID		Standard	TEST setup	Test configuration	Impact at 165 cm (Seat plate)			
	TESTED ?				Peak [g] force	Max Peak impact [g] force lmpact duration at 38 [g] (if any) recorded: [ms] Impact duration at 20 [g] (if any)		Results
		LTF			Max impact		Impact dur at 20 [g] (if recorded:	
Р	1	5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature +20+25°C without rescue	42.65	6.54	19.73	POSITIVE
PR	1	5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature +20+25°C with rescue	39.64	4.28	19.64	POSITIVE

Calculed 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 measurand lies within the assigned range of values with a probability of 95%.

This declaration must not be reproduced in part without the written permission of AIR TURQUOISE SA.

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

IMPACT PAD SHOCK TEST

TEST REPORT PH iP

BP PARAGLIDER HARNESSES / BACK PROTECTORS

Inspection certificate ref. number: PH_IP_167.2016

MANUFACTURER DATA

Manufacturer name: Sky Paragliders
Contact person: Nemec Martin

Street: Okruzni 39

Post code / place: 73911 Frydlant N.C.

Country: Czech Republic

SAMPLE DATA

Name: Gii 3 Alpha

Size: S

Max load [kg]: 120

Serial number: 2155-13-6241

Date of reception: 14.06.2016

ISSUE DATA

Place of inspection: Villeneuve

Date of inspection: 14.06.2016

Inspector: Alain Zoller

Directive: LTF NFL II-91/09 chapter 5 Paraglider harness protectors

The following limits may not be exceeded during back protector test: Maximum peak 50g, Maximum 38g for a period of 7 milliseconds, Maximum 20g for a period of 25 milliseconds: All three criteria must be fulfilled.

TEST ATMOSPHERE AGL

[C°] 21.3 RH [%] 53 [hPa] 1005.5

	1005.5	[hPa]	
165 [cm] drop:	TEST RESULTS		
P2 (second test)	P1 (first test)	BP test without rescue system	
42.7	38.6	Absolute maximum impact [g]	
6.54	3.50	Impact duration at +38 [g] (if any): [ms]	
19.40	19.73	Impact duration at +20 [g] (if any): [ms]	
7.00	7.00	Uncertainty k=2 [%]	
2.99	2.70	Uncertainty k=2 [g]	
111	100	Repeat testing / max peak comparison [%]	
POSITIVE	POSITIVE	Test Result:	
PR2 (second test)	PR1 (first test)	BP with rescue system (if applicable)	
39.6	38.0	Absolute maximum impact [g]	
4.28	0.54	Impact duration at +38 [g] (if any): [ms]	
19.64	19.57	Impact duration at +20 [g] (if any): [ms]	
7.00	7.00	Uncertainty k=2 [%]	
2.78	2.66	Uncertainty k=2 [g]	
104	100	Repeat testing / max peak comparison [%]	
POSITIVE	POSITIVE	Test Result:	
	P2 (second test) 42.7 6.54 19.40 7.00 2.99 111 POSITIVE PR2 (second test) 39.6 4.28 19.64 7.00 2.78 104	P1 (first test) P2 (second test)	

Calculed 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 measurand lies within the assigned range of values with a probability of 95%.

Instruments	Validity	Manufacturer	Type nr.	S/N
Accelero meter sensor 100 G	01.08.2018	Burster / MTS	89010-100	1263567
Geos n° 11 Skywatch	07.04.2017	JDC electronics	Geos n° 11	0022

IMPACT PAD SHOCK TEST

TEST REPORT PH iP

BP PARAGLIDERS HARNESS BACK PROTECTORS

