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

paragliding by air turquoise

PH PARAGLIDER HARNESSES | IP IMPACT PAD

INSPECTION CERTIFICATE

Inspection certificate number: **PH_IP_171.2016**

MANUFACTURER DATA

Manufacturer name: **Neo SAS**

Contact person: **Eric Roussel**

Street: **ZA des Vernays**

Post code / place: **74210 Doussard**

Country: **France**

SAMPLE DATA

Name: **Stay Up**

Size: **one size** Impact pad type: **Koroyd**

Serial number: **D7002** Weight [kg] : **0.290**

Sample reception date: **30.05.2017** Test date: **30.05.2017**

ISSUE DATA

Place of declaration: **Villeneuve**

Date of issue: **29.03.2018**

Director Management: **Alain Zoller**

Signature:

This signature aprouve the validity of the test reports PH IP

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 IP**

TESTS RESULTS SUMMARY

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

Test ID	TESTED ?	Standard LTF	TEST setup	Test configuration	Impact at 165 cm (Seat plate) Max Peak impact [g] force	Impact duration at 38 [g] (if any) recorded: [ms]	Impact duration at 20 [g] (if any) recorded: [ms]	Results
P	✓	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	48.56	6.98	19.68	POSITIVE
PR		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	0.00	0.00	0.00	n/a

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%.

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IMPACT PAD SHOCK TEST

TEST REPORT PH IP

Inspection certificate ref. number: **PH_IP_171.2016**

MANUFACTURER DATA

Manufacturer name:	**Neo SAS**
Contact person:	**Eric Roussel**
Street:	**ZA des Vernays**
Post code / place:	**74210 Doussard**
Country:	**France**

SAMPLE DATA

Name:	**Stay Up**
Size:	**one size**
Serial number:	**D7002**
Date of reception:	**30.05.2017**

ISSUE DATA

Place of inspection:	**Villeneuve**
Date of inspection:	**30.05.2017**
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°]	26
RH [%]	46
[hPa]	1017

TEST RESULTS

Impact in at a height of min 165 [cm] drop:

BP test without rescue system	**P1** (first test)	**P2** (second test)	**Max value**
Absolute maximum impact [g]	47.0	48.6	**48.56**
Impact duration at +38 [g] (if any): [ms]	6.67	6.98	**6.98**
Impact duration at +20 [g] (if any): [ms]	19.68	17.81	**19.68**
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	3.29	3.40	
Repeat testing / max peak comparison [%]	100	103	
Test Result:	**POSITIVE**	**POSITIVE**	

BP with rescue system (if applicable)	**PR1** (first test)	**PR2** (second test)	**Max value**
Absolute maximum impact [g]	0.0	0.0	**0.00**
Impact duration at +38 [g] (if any): [ms]	0.00	0.00	**0.00**
Impact duration at +20 [g] (if any): [ms]	0.00	0.00	**0.00**
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	0.00	0.00	
Repeat testing / max peak comparison [%]	**100**	n/a	
Test Result:	n/a	n/a	

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	10.07.2016	Burster / MTS	89010-100	1263567
Geos n° 11 Skywatch	07.04.2017	JDC electronics	Geos n° 11	0022

The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2

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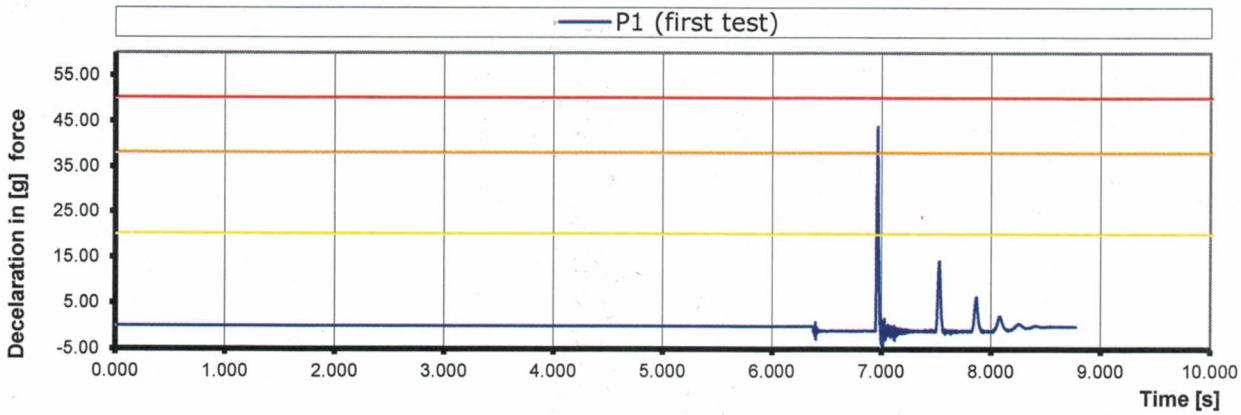
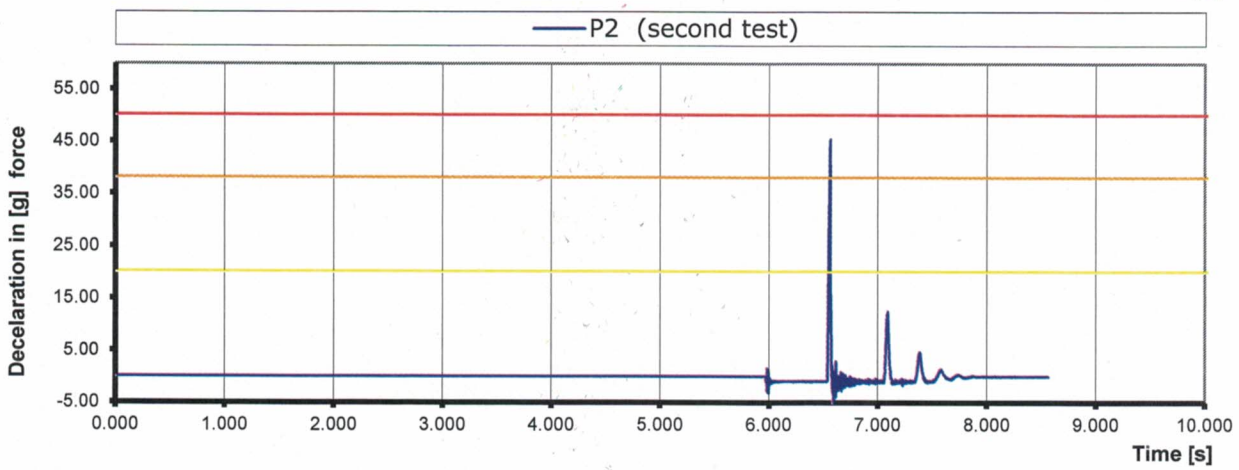
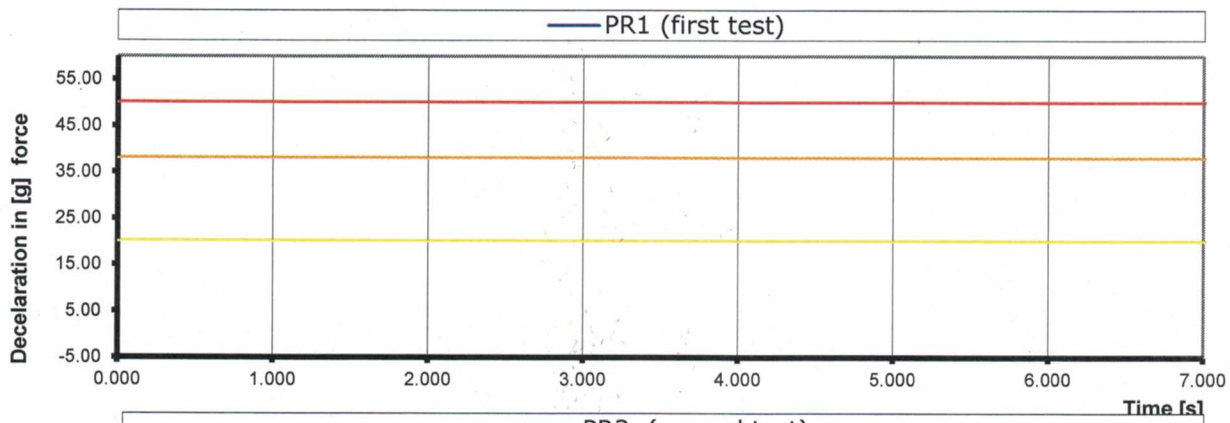
IMPACT PAD SHOCK TEST

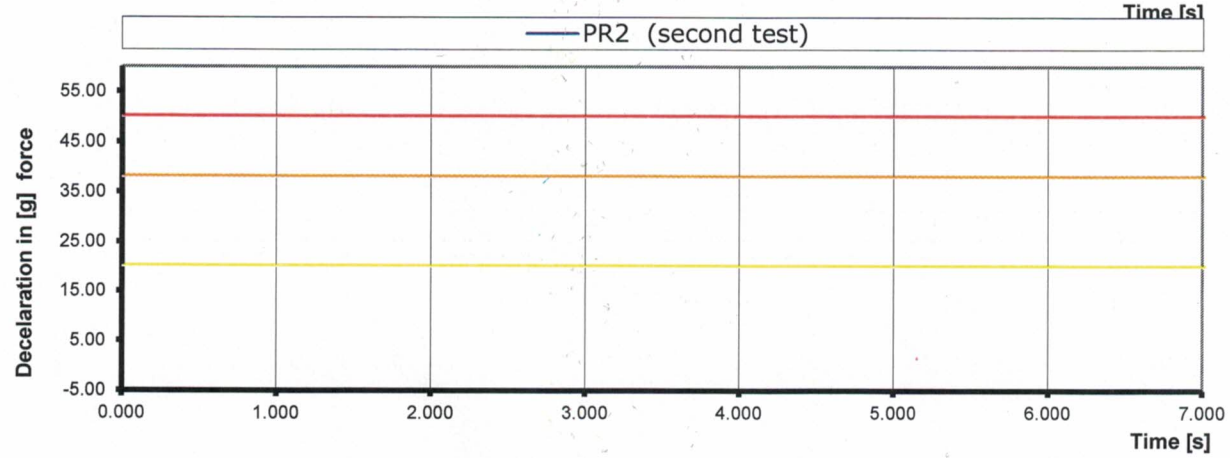
TEST REPORT PH iP

Inspection report number: PH_IP_171.2016









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