

En application de la directive n°89/686/CEE du 21 décembre 1989 concernant le rapprochement des législations des Etats Membres relatives aux équipements de protection individuelle l'échantillon essayé est déclaré conforme aux exigences essentielles de santé et de sécurité du décret n°2007-1133 du 24 juillet 2007 portant transposition de cette directive en droit français,

In application of the directive n°89/686/EEC dated 21/12/89 on the approximation of the laws of the Member States relating to personal protective equipment and the decree n°2007-1133 of July 24th 2007 transposing this Directive into French law,

Le C.R.I.T.T. SPORT-LOISIRS, habilité par le ministère de l'économie, de l'industrie et de l'emploi, pour effectuer l'examen CE de type prévu par l'article R.322-35 du code du sport et identifié sous le numéro 0501 (publié au JORF du 23/06/2015) attribue
The C.R.I.T.T. SPORT-LOISIRS, authorized by order of the Ministry in charge of economy, industry and labour, for the EC type examination with the number 0501 (notified in JORF on June 23, 2015) grants

I'ATTESTATION D'EXAMEN CE DE TYPE *the EC type Examination Certificate*

N° 0501/2580/162/12/16/1883

au modèle d'équipement de protection individuelle suivant :
to the following designated personal protective equipment:

- Protection pour Sellette de parapente *Protection for Paraglider harness*.....(dénomination)(*product*)
- **ALTIRANDO 3**(marque commerciale)(*trademark*)
- Unique *one size*.....(taille)(*size*)
- **SUPAIR**, 34 rue Adrastée 74650 CHAVANOD- FRANCE..(fabricant et demandeur)(*manufacturer and applicant*)
- Protocole *Protocol* **CRITT SL SP-001 02/2016**.....(référentiel technique)(*standard*)



12-16-1883
16-2826
ALTIRANDO 3

Fait à Châtelleraut, le 24/07/2017
Châtelleraut, the 07/24/2017

Franck LEPLANQUAIS
Directeur (*Manager*)

Nota : toute modification apportée au matériel neuf objet de la présente attestation d'examen CE de type doit être portée à la connaissance de l'organisme habilité, en application de l'article R 322-35 du Code du sport. *Any modification carried out on the material being the subject of the present EC type Examination Certificate must be brought to the authorised body in application of Article R 322-35 of the sport Code.*

Cette attestation comporte 1 page. *This is a one page document.*

CRITT Sport Loisirs de Poitou-Charentes

ZA du Sanital - 21 Rue Albert Einstein - 86100 CHATELLERAULT - France

☎ : 33 (0)5 49 85 38 30 📠 : 33 (0)5 49 21 76 20 Courriel : franck.leplanquais@critt-sl.com Site Internet : <http://www.critt-sl.com>

BP PARAGLIDER HARNESSES | BACK PROTECTORS

INSPECTION CERTIFICATE

PH 153.2 (date number: **PH 153.2015 BP**)

MANUFACTURER DATA

Manufacturer name: **Supair Sàrl**
 Contact person: **Laurent Chiabaut**
 Street: **34, rue Adrastée**
 Post code / place: **74650 Chavanod**
 Country: **France**

TEST SAMPLE DATA

Name: **Airbag Altirando 3**
 Size: **SM**
 Protector type: **Airbag protectors**
 Maximum pilot weight [kg]: **110**
 Harness type: **ABS**
 Serial number: **ALT13-2165-SM-11.03-EI**
 Weight [kg]: **1.7 / 3.74**
 Sample reception date: **10/11/2015**
 Test date: **18/11/2015**

ISSUE DATA

Place of declaration: **Villeneuve**
 Date of issue: **30/03/2016**
 Director Management: **Alain Zoller**

Signature:



This signature approves 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	TESTED ?	Standard	TEST setup	Test configuration	Impact at 165 cm (Seat plate)			Results
					Max Peak impact [g] force	Impact duration at 38 [g] (if any) recorded: [ms]	Impact duration at 20 [g] (if any) recorded: [ms]	
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	21,20	0,00	6,44	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

Calculated 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.

BACK PROTECTORS SHOCK TEST

TEST REPORT PH BP

BP PARAGLIDER HARNESSES / BACK PROTECTORS

Inspection certificate ref. number: **PH 153.2015 BP** PH 153.2015 BP

MANUFACTURER DATA

Manufacturer name: **Supair Sàrl**
 Contact person: **Laurent Chiabaut**
 Street: **34, rue Adrastée**
 Post code / place: **74650 Chavanod**
 Country: **France**

SAMPLE DATA

Name: **Airbag Altirando 3**
 Size: **SM**
 Max load [kg]: **110**
 Serial number: **ALTI3-2165-SM-11.03-EI**
 Date of reception: **10/11/2015**

ISSUE DATA

Place of inspection: **Villeneuve**
 Date of inspection: **18/11/2015**
 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°] **22,1**
 RH [%] **43**
 [hPa] **1026,3**

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]	21,2	19,2	21,20
Impact duration at +38 [g] (if any): [ms]	0,00	0,00	0,00
Impact duration at +20 [g] (if any): [ms]	6,44	0,00	6,44
Uncertainty k=2 [%]	7,00	7,00	
Uncertainty k=2 [g]	1,48	1,35	
Repeat testing / max peak comparison [%]	100	91	
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 [%]	n/a	n/a	
Test Result:	n/a	n/a	

Calculated 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

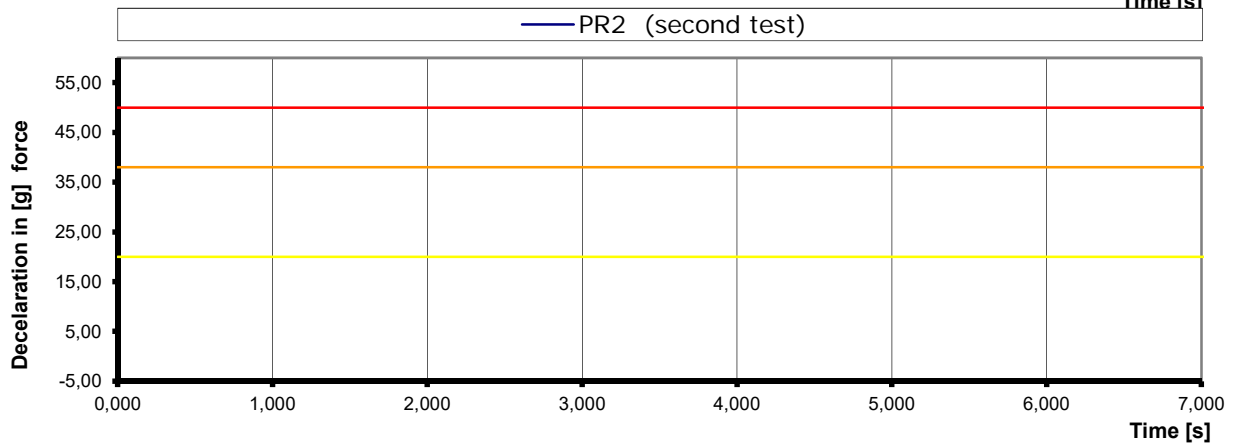
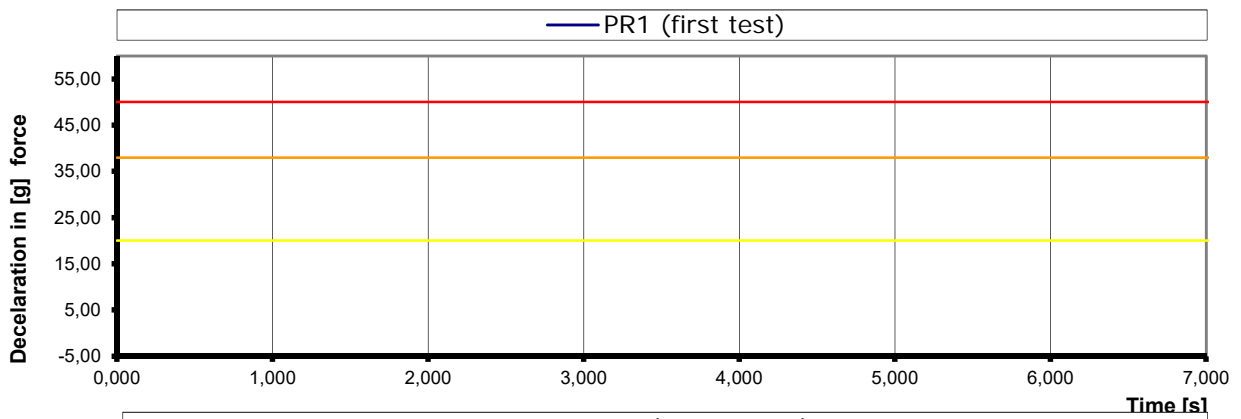
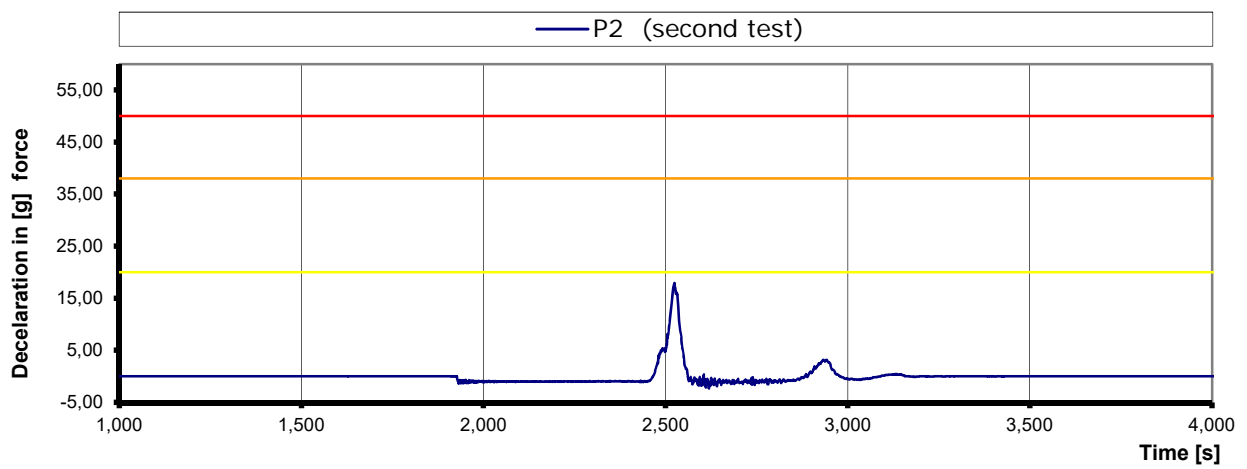
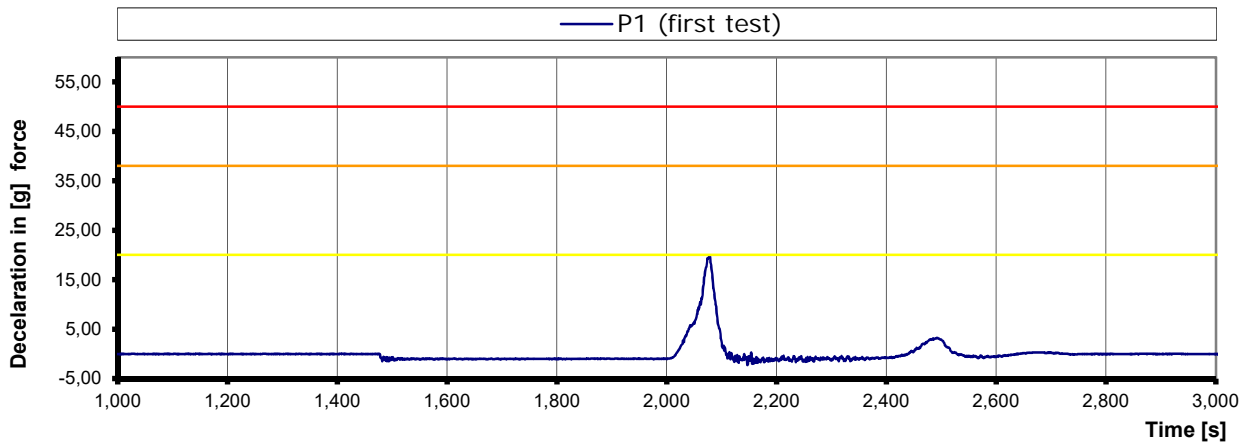
The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2

BACK PROTECTORS SHOCK TEST

TEST REPORT PH BP

BP PARAGLIDERS HARNESS BACK PROTECTORS

Inspection report number: PH 153.2015 BP



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