


<b>TEST REPORT</b>		WALLER Christop	Date	19-mars-08	
MANUFACTORY	AXISPARA	MODEL	VENUS 2	SIZE	S
Procédure	Max weight	Weight in flight	95 kg		
HARNAIS	JP AIR EVO X	TYPE	abs	VENTRAL	46 cm
			LABORATOIRE AEROTEST		
			TEULIER Vincent +33680121809		
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### Measurements and possible ranges

1 Rising behaviour

Smooth, easy and constant rising A

2 Special take off technique

No A

### Measurements and possible ranges in the landing test

Special landing technique required

No A

### Measurements and possible ranges in the speeds in straight flight test

Measurement and ranges

1 Trim speed more than 30 km/h

Yes A

2 Speed range using the controls larger than 10

Yes A

3 Minimum

Less than 25 km/h A

### Classification of a paraglider's behaviour in the control movement test

Max weight greater than

croissant supérieur à 65 cm A

### Classification of a paraglider's behaviour in the pitch stability exiting accelerated flight test

1 Dive forward angle on exit

Dive forward less than 30° A

2 Collapse occurs

No A

### Classification of a paraglider's behaviour in the pitch stability operating controls during accelerated flight test

Collapse occurs

No A

### Classification of a paraglider's behaviour in the roll stability and damping test

Oscillations

Reducing A

### Classification of a paraglider's behaviour in the stability in gentle spirals test

Tendency to return to straight

Spontaneous exit A

### Classification of a paraglider's behaviour in the behaviour in a steeply banked turn test

Sink rate after two turns

supérieur à 14 m/s B

**Classification of a paraglider's behaviour in the symmetric front collapse test**

Entry	Rocking back less than 45°	A
Recovery	spontanée, inférieure à 3 s	A
Dive forward angle on exit	Dive forward 0° to 30° Keeping course	A
Cascade occurs	No	A

**Classification of a paraglider's behaviour in the symmetric front collapse test accelerated**

Entry	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A
Dive forward angle on exit	ttée comprise entre 0 et 30° maintien de la trajectoire	A
Cascade occurs	No	A

**Classification of a paraglider's behaviour in the exiting deep stall (parachutal stall) test**

1 Deep stall achieved	No	A
2 Recovery	Spontaneous in less than 3 s	A
3 Dive forward angle on exit	Dive forward 0° to 30°	A
4 Change of course	Changing course less than 45°	A
5 Cascade	No	A

**Classification of a paraglider's behaviour in the high angle of attack recovery test**

1 Recovery	spontanée, inférieure à 3 s	A
2 Cascade	No	A

**Classification of a paraglider's behaviour in the full stall test**

1 Dive forward angle on exit	Dive forward 30 et 60°	B
2 Collapse	No collapse	A
3 Cascade occurs (other than	No	A
4 Rocking	Less than 45°	A
5 Line tension	Most lines tight	A

### **Classification of a paraglider's behaviour in the asymmetric collapse test to 50%**

Change of course until re-inflation

**inférieur à 90°abattée ou roulis compris entre 45 et 60° C**

Re-inflation behaviour

**Spontaneous re-inflation A**

Total change of course

**Less than 360° A**

Collapse on the opposite side

**No A**

Twist occurs

**No A**

Cascade occurs

**No A**

### **Classification of a paraglider's behaviour in the asymmetric collapse test to 50% full speed**

Change of course until re-inflation

**inférieur à 90°abattée ou roulis compris entre 45 et 60° C**

Re-inflation behaviour

**Spontaneous re-inflation A**

Total change of course

**Less than 360° A**

Collapse on the opposite side

**No A**

Twist occurs

**No A**

Cascade occurs

**No A**

### **Classification of a paraglider's behaviour in the asymmetric collapse test 75%**

Change of course until re-inflation

**inférieur à 90°abattée ou roulis compris entre 60 et 90° C**

Re-inflation behaviour

**regonflement spontané A**

Total change of course

**Less than 360° A**

Collapse on the opposite side

**No A**

Twist occurs

**No A**

Cascade occurs

**No A**

### **Classification of a paraglider's behaviour in the asymmetric collapse test 75% full speed**

Change of course until re-inflation

**compris entre 180 et 360°abattée ou roulis compris entre 60 et 90° D**

Re-inflation behaviour

**regonflement inférieur à 3 s depuis le début de l'action du pilote C**

Total change of course

**Less than 360° A**

Collapse on the opposite side

**No A**

Twist occurs

**No A**

Cascade occurs

	No	A
<b>Measurements and possible ranges in the directional control with a maintained</b>		
1 Able to keep course	Yes	A
2 180° turn away from the collapsed side	Yes	A
3 Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A
<b>Measurements and possible ranges in the trim speed spin tendency test</b>		
Spin occurs	No	A
<b>Measurements and possible ranges in the low speed spin tendency test</b>		
Spin occurs	No	A
<b>Classification of a paraglider's behaviour in the recovery from a developed spin test</b>		
1 Spin rotation angle after release	Stops spinning in less than 90°	A
2 Cascade	No	A
<b>Classification of a paraglider's behaviour in the B-line stall test</b>		
1 Change of course before	Changing course less than 45°	A
2 Behaviour before release	maintien de stabilité sans envergure droite	C
3 Recovery	Spontaneous in less than 3 s	A
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Cascade occurs	No	A
<b>Classification of a paraglider's behaviour in the big ears test</b>		
1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	spontanée, comprise entre 3 et 5 s	B
4 Dive forward angle on exit	Dive forward 0° to 30°	A
<b>Classification of a paraglider's behaviour in the big ears in accelerated flight test</b>		
1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Spontaneous in less than 3 s	A
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Behaviour immediately after releasing the accelerator while maintaining	Stable flight	A

**Classification of a paraglider's behaviour in the behaviour exiting a steep spiral test**

- |                                  |   |          |
|----------------------------------|---|----------|
| 1 Tendency to return to straight | <b>Spontaneous exit</b>                     | <b>A</b> |
| 2 Turn angle to recover normal   | <b>Less than 720°, spontaneous recovery</b> | <b>A</b> |

**Classification of a paraglider's behaviour in the alternative means of directional control test**

- |                                |            |          |
|--------------------------------|------------|----------|
| 1 180° turn achievable in 20 s | <b>Yes</b> | <b>A</b> |
| 2 Stall or spin occurs         | <b>No</b>  | <b>A</b> |

**Classification of a paraglider's behaviour when testing any other flight procedure**

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|---------------------------------|--|--|
| 1 Procedure works as described  |  |  |
| 2 Procedure suitable for novice |  |  |
| 3 Cascade occurs                |  |  |