

<b>TEST REPORT</b>		WALLER Christophe	Date	11-déc-06	
<b>MANUFACTORY</b>	AEROS	<b>MODEL</b>	fuego	<b>SIZE</b>	29
<b>Procédure</b>	Max Weight	<b>Weight in flight</b>	130 kg		
<b>HARNAIS</b>	SUP AIR	<b>TYPE</b>	abs	<b>VENTRAL</b>	46 cm
Accelerator range 11 cm					

### 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 km/h  
Yes A
- Minimum  
3 speed  
Less than 25 km/h A

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

- Max weight in up to 80 kg
- Max weight in 80 to 100 kg
- Max weight in greater than 100 kg  
increasing greater than 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 flight  
Spontaneous exit A

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

- Sink rate after two turns  
12 to 14 m/s A

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

- Entry  
Rocking back less than 45° A
- Recovery  
Spontaneous in 3 s to 5 s B
- 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 3 s to 5 s B

Dive forward angle on exit  
Dive forward 30° to 60° Keeping course B

Cascade occurs  
No A

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

1 Deep stall achieved  
Yes 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  
Spontaneous in less than A

2 Cascade  
No A

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

1 Dive forward angle on exit  
Dive forward 60 et 90° C

2 Collapse  
Symmetric collapse C

3 Cascade occurs (other than collapses)  
No A

4 Rocking back  
Greater than 45° C

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  
Less then 90° Dive or roll angle 45° to 60° B

Re-inflation behaviour  
Spontaneous re-inflation A

Total change of course  
Less than 360° A

Collapse on the opposite side occurs  
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  
90° to 180° Dive or roll angle 45° to 60° C

Re-inflation behaviour

	<b>Spontaneous re-inflation</b>	<b>A</b>
Total change of course	<b>Less than 360°</b>	<b>A</b>
Collapse on the opposite side occurs	<b>No</b>	<b>A</b>
Twist occurs	<b>No</b>	<b>A</b>
Cascade occurs	<b>No</b>	<b>A</b>

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

Change of course until re-inflation	<b>Less than 90° Dive or roll angle 45° to 60°</b>	<b>B</b>
Re-inflation behaviour	<b>Spontaneous re-inflation</b>	<b>A</b>
Total change of course	<b>Less than 360°</b>	<b>A</b>
Collapse on the opposite side occurs	<b>No</b>	<b>A</b>
Twist occurs	<b>No</b>	<b>A</b>
Cascade occurs	<b>No</b>	<b>A</b>

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

Change of course until re-inflation	<b>90° to 180° Dive or roll angle 45° to 60°</b>	<b>C</b>
Re-inflation behaviour	<b>Spontaneous re-inflation</b>	<b>A</b>
Total change of course	<b>Less than 360°</b>	<b>A</b>
Collapse on the opposite side occurs	<b>Yes, no turn reversal</b>	<b>C</b>
Twist occurs	<b>No</b>	<b>A</b>
Cascade occurs	<b>No</b>	<b>A</b>

**Measurements and possible ranges in the directional control with a maintained**

1 Able to keep course	<b>Yes</b>	<b>A</b>
2 180° turn away from the collapsed side possible in 10 s	<b>Yes</b>	<b>A</b>
3 Amount of control range between turn and stall or spin	<b>More than 50 % of the symmetric control travel</b>	<b>A</b>

**Measurements and possible ranges in the trim speed spin tendency test**

Spin occurs	<b>No</b>	<b>A</b>
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**Measurements and possible ranges in the low speed spin tendency test**

Spin occurs	<b>No</b>	<b>A</b>
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**Classification of a paraglider's behaviour in the recovery from a developed spin test**

1 Spin rotation angle after release	<b>Stops spinning in less than 90°</b>	<b>A</b>
2 Cascade	<b>No</b>	<b>A</b>

**Classification of a paraglider's behaviour in the B-line stall test**

1 Change of course before release		
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	Changing course less than 45°	A
2 Behaviour before release	Remains stable with straight span	A
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

**Classification of a paraglider's behaviour in the big ears test**

1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Recovery through pilot action in less than a further 3 s	B
4 Dive forward angle on exit	Dive forward 0° to 30°	A

**Classification of a paraglider's behaviour in the big ears in accelerated flight test**

1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Recovery through pilot action in less than a further 3 s	B
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A

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

1 Tendency to return to straight flight	Spontaneous exit	A
2 Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A

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

1 180° turn achievable in 20 s	Yes	A
2 Stall or spin occurs	No	A

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

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

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