TEST REPORT		WALLER Christophe	Date	dec-07	
MANUFACTORY	NERVURES	MODEL	FAÎAL Bivouac	SIZE	M
Procédure	Poids max	Weight in fkight	105 kg		
HARNAIS	SUP AIR EVO XC2	TYPE	abs	VENTRAL	46 cm

LABORATOIRE AEROTE

TEULIER Vincent teulier.v.s@wanadoo.fr Measurements and possible ranges 1 Rising behaviour Smooth, easy and constant rising 2 Special take off technique No Measurements and possible ranges in the landing test Special landing technique required No Measurements and possible ranges in the speeds in straight flight test Measurement and ranges 1 Trim speed more than 30 km/h Yes 2 Speed range using the controls larger than 10 km/h 3 Minimum speed Less than 25 km/h Classification of a paraglider's behaviour in the control movement test greater than 100 kg Max weight in increasing greather than 65 cm 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° 2 Collapse occurs No Classification of a paraglider's behaviour in the pitch stability operating controls during accelerated flight test Collapse occurs No Classification of a paraglider's behaviour in the roll stability and damping test Oscillations Reducing Classification of a paraglider's behaviour in the stability in gentle spirals test Tendency to return to straight flight Spontaneous exit Classification of a paraglider's behaviour in the behaviour in a steeply banked turn test Sink rate after two turns more than 14 m/s В Classification of a paraglider's behaviour in the symmetric front collapse test Entry Rocking back less than 45° Recovery Spontaneous in less than 3 s Α Dive forward angle on exit Dive forward 0° to 30° Keeping course Cascade occurs

No

Classification of a paraglider's behaviou	r in the symmetric front collapse test accelerated					
Entry	F					
	Rocking back less than 45°	Α				
Recovery	On and an area to be a divined on					
Dive forward angle	Spontaneous in less than 3 s	Α				
Dive loi wald aligh	Dive forward 0° to 30° Entering a turn of less than 90°	Δ .				
Cascade occurs						
	No	Α				
Classification of a paraglider's behaviou 1 Deep stall achieve	r in the exiting deep stall (parachutal stall) test					
i Deep stall achieve	No	Α				
2 Recovery						
	Spontaneous in less than 3 s	Α				
3 Dive forward angle	3 Dive forward angle on exit Dive forward 0° to 30°					
4 Change of course	Dive forward 0° to 30°	Α				
4 Offange of course	Changing course less than 45°	Α				
5 Cascade occurs	gradient grade and a second control of the s					
	No	Α				
	viour in the high angle of attack recovery test					
1 Recovery	Chantanaoua in less than	Λ				
2 Cascade occurs	Spontaneous in less than	Α				
= dascade occurs	No	Α				
Classification of a paraglider's beha						
1 Dive forward angle						
2 Collapse	Dive forward 30 et 60°	В				
2 Goliapse	No collapse	Α				
3 Cascade occurs (other than collapses)					
· ·	No	Α				
4 Rocking back	Loop them 450	Λ				
5 Line tension	Less than 45°	Α				
3 Line tension	Most lines tight	Α				
Classification of a paraglider's beha	viour in the asymmetric collapse test to 50%					
Change of course						
De inflation leaker	Less then 90° Dive or roll angle 15° to 45°	° A				
Re-inflation behav	Spontaneous re-inflation	Α				
Total change of co	·	A				
Total shange of oc	Less than 360°	Α				
Collapse on the or	pposite side occurs					
	No	Α				
Twist occurs	Mo	Λ				
Cascade occurs	No	Α				
Cascade occurs	No	Α				

easurements	and possible ranges in the low speed sp	in tendency test	
		No	
	Spin occurs		
easurements	and possible ranges in the trim speed sp	-	
		% of the symmetric control travel	
	3 Amount of control range between turn a		
	∠ 100 turri away irom the collapsed side	Yes	
	2 180° turn away from the collapsed side	Yes	
	1 Able to keep course	Voo	
easurements a	and possible ranges in the directional control w	ith a maintained	
		No	
	Cascade occurs		
		No	
	Twist occurs	-	
	Collapse of the opposite side occurs	No	
	Collapse on the opposite side occurs	Less thall sou	
	Total change of course	Less than 360°	
	Total abance of source	Spontaneous re-inflation	
	Re-inflation behaviour		
		ess then 90° Dive or roll angle 15° to	45°
	Change of course until re-inflation	•	
assification	of a paraglider's behaviour in the asymme	tric collapse test 75% full speed	
	Jascaue occurs	No	
	Cascade occurs	No	
	Twist occurs	Ne	
		No	
	Collapse on the opposite side occurs		
	. 3 (2) (3) (3) (3) (3)	Less than 360°	
	Total change of course	opontarieous re-initation	
	Re-inflation behaviour	Spontaneous re-inflation	
	Do inflation habatians	90° to 180° Dive or roll angle 15° to	45°
	Change of course until re-inflation		
assification	of a paraglider's behaviour in the asymme	tric collapse test 75%	
	2400440 00040	No	
	Cascade occurs	140	
	Twist occurs	No	
	.	No	
	Collapse on the opposite side occurs		
	3 1 1 1 1	Less than 360°	
	Total change of course		
	ne-illiation behaviou	Spontaneous re-inflation	
	Re-inflation behaviour		
	L	ess then 90° Dive or roll angle 15° to	45°

	А
Classification of a paraglider's behaviour in the recovery from a developed spin test	
1 Spin rotation angle after release	000
Stops spinning in less the 2 Cascade occurs	an 90° A
No	Α
Classification of a paraglider's behaviour in the B-line stall test 1 Change of course before release	
Changing course less that	an 45° A
2 Behaviour before release	topon A
Remains stable with straigh 3 Recovery	t span A
Spontaneous in less than 3 s	Α
4 Dive forward angle on exit Dive forward 0° to 30°	A
5 Cascade occurs	Λ.
No	Α
Classification of a paraglider's behaviour in the big ears test 1 Entry procedure	
Dedicated controls	Α
2 Behaviour during big ears	
Stable flight 3 Recovery	Α
Spontaneous in less than 3	Bs A
4 Dive forward angle on exit Dive forward 0°	to 30° A
Dive ioi wai d o	10 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	Α
3 Recovery Spontaneous in less than 3	Bs A
4 Dive forward angle on exit	
Dive forward 0°t	
5 Behaviour immediately after releasing the accelerator while maintaining Stable flight	big ears A
Classification of a paraglider's behaviour in the behaviour exiting a steep spiral test	
Tendency to return to straight flight Spontaneous exit	A
2 Turn angle to recover normal flight	
Less than 720°, spontaneous recovery	Α
Classification of a paraglider's behaviour in the alternative means of directional contro	ol test
1 180° turn achievable in 20 s	
2 Stall or spin occurs	Α
2 Stall or spin occurs No	А