

## Test report EN 15373

### Furniture non-domestic seating

Client <b>LK Hjelle</b> Postboks 8 6230 SYKKYLVEN Norge		Product <b>Arena</b>		
Client's reference Dag Hjelle		Product specification - tested object This test also include Arena 7, Arena 14 Arena 24 Arena 24 Arena Pluss, Viva 11 og Viva 15		
Date 28.10.2011		Date of receipt, tested object 12.10.2011	Test completed date 21.10.2011	Rev. no. / Rev. date 0/
		<b>Loading</b>	<b>To be tested</b>	<b>Result</b>
Ref.	<b>5. Safety requirements</b>			
5.1	Corners, edges and handles accessible by the user shall be rounded. All edges should be free from burrs, and rounded or chamfered. Ends of hollow components are closed or capped.		x	Passed
5.1	Lubricated parts shall be designed to protect users from lubricant stains.		x	Passed
5.1	Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.		x	Passed
5.2	Shear and squeeze points			
<b>5.3 Stability</b>				
a	Pressing down front edge		x	Passed
b	Sideways without or with arm rests		x	Passed
c	Backwards		x	Passed
d	Sitting on front edge		x	Passed
d	Loading foot rail/foot rest		x	Passed
<b>5.4 Rolling resistance of the unloaded chair</b>				
<b>6. Strength and durability</b>				
<b>EN 1728</b>				
6.2.1	1. Static load seat	1600N, 10 times	x	Passed
6.2.1	1. Static load back	560N, 10 times	x	Passed
6.2.2	2. Seat front edge static load	1600N, 10 times	x	Passed
6.3	3. Additional static load test for tilting chairs, recling chairs and loungers	Seat: 1600N, 10 times Back: 560N, 10 times	x	Passed
Annex A.2	4. Vertical static load on back	600N with 1300N in seat, 10 times	x	Passed
6.4	5. Foot rail/foot rest and leg rest static load	1300N, 10 times		
6.5	6. Arm sideways static load	600N, 10 times	x	Passed
6.5	7. Wing sideways static load	400N, 10 times	x	Passed
6.6	8. Arm downwards static load	900N, 10 times	x	Passed
Annex A.1	9. Vertical upwards static load on arm rests	Seat loading 1000N, lift 10 times	x	Passed

6.7	10. Seat and back fatigue test	Seat: 1000N, Back: 300N 100 000 cycles	x	Passed
6.9	11. Additional seat and back fatigue test for tilting chairs and loungers	Seat: 1000N, Back: 300N 100 000 cycles	x	Passed
6.8	12. Seat front edge fatigue test	1000N, 50 000 cycles	x	Passed
6.10	13. Arm fatigue test	300N, 50 000 cycles	x	Passed
6.11	14. Leg rest fatigue	1000N, 50 000 cycles	x	Passed
Annex A.5	15. Foot rail fatigue test	1000N, 50 000 cycles	x	Passed
6.12	16. Leg forward static load	500N with seat load 1300N, 10 times	x	Passed
6.13	17. Leg sideways static load	490N with seat load 1300N, 10 times	x	Passed
6.14	18. Diagonal static base load	500N, 10 times		
6.15	19. Seat impact test	Drop height 240 mm, 10 times	x	Passed
6.16	20. Back impact test	Height of fall 330 mm, 48°, 10 times	x	Passed
6.17	21. Arm impact test	Height of fall 330 mm, 48°, 10 times	x	Passed
6.18	22. Drop test (multiple seating)	Drop height 300 mm, 2 x 5 times	x	Passed
Annex A.3	23. Auxilliary writing surface static load	300N, 10 times		Passed
Annex A.4	24. Auxilliary writing surface fatigue test	150N, 20 000 cycles		Passed

**Deviation from the test standards:****Comments:**

<b>Summary</b>	
The product is not approved according to the existing standards and requirements.	The product is approved according to the requirements for non domestic furniture, level 2 in EN 15373.
	X

Bård Vestre  
Manager