技術基準適合確認書

製品名称	スマートルームミラー(デジタルインナーミラー)
製品型番	AS-SRM01
試験分類	衝撃テスト
試験設備機器	インパクト試験機 ZJ165
試験委託機関	Jiangsu Huachen Vehicle Inspection Co.,Ltd.
適用技術基準	ECE R46
試験結果	合格
試験成績書	委託試験成績書番号 2010MM001
確認書発行元 (試験委託者)	アルパインニューズ株式会社 〒145-0067 東京都大田区雪谷大塚町1-7

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本書(P.2以降の試験結果詳細含む)を、自動車検査証と一緒に大切に 保管してください。

お問い合わせ先

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Report No.:2010MM001

Testing Report

Sample Name : Motor Vehicles Interior Mirror

Sample Type : AS-SRM01

Consigner : ALPINE NEWS. INC.

Test Category : Entrusted Test

- Test Lab : Jiangsu Huachen Vehicle Inspection Co.. Ltd.
- Address : Xihuan Road, Xinqiao. Danbei Town. Danyang Ciry. Jiangsu Province, China

Consigner : ALPINE NEWS. INC.

Address : 1-7, Yukigayaotsukamachi, Ota-ku, Tokyo







Sample Name	Motor Vehicles Interior Mirror	Sample Type	AS-SRM01
Consigner	ALPINE NEWS. INC.	Test Category	Entrusted Test
Sample Arrival Date	2020.10.12	Sample Quantity	2
Sample Condition	Meet the inspection requirement	Sender	Zhou Dongling
Sample No.	201012AL-01/201012AL-02	Date of Test	2020.10.13

Items	(1) Impact Test
Standard	ECE R46 Uniform provisions concerning the approval of devices for indirect vision and of motor vehicles with regard to the installation of these devices
Conclusion	After inspection, the tested item(s) for AS-SRM01 Motor Vehicles Interior Mirror meet the requirements of ECE R46.04 Supp. 6 检验报告专用章 Issue date: 2020.10.20
Remark	1

Prepared by : John Auditor by: The the Approved by:



Regulation No.46 Supplement 5 to the 04 series of amendments			
Clause	Requirement	Remark	Judgment

6.3	Test	-	Р
	The requirements of paragraph 6.3. shall be	Confirmed	Р
	considered to be satisfied in the case of		
	Monitors of a vehicle fulfilling the provisions of Re		
	gulation No.21.		
6.3.1	Devices for indirect vision in Classes I to VI and	Confirmed	Р
	Class VII mirrors (having		
	fitments identical to Class I) shall be		
	subjected to the tests described in		
	paragraphs 6.3.2.1. and 6.3.2.2.below. Class VII mi		
	rrors with a stem, shall be		
	subjected to the tests described in		
	paragraph 6.3.2.3. below.		
6.3.2	Impact Test	-	Р
6.3.2.1	Description of the test rig	-	Р
6.3.2.1.1	The test rig consists of a pendulum capable of	Confirmed	Р
	swinging about two horizontal axes		
	at right angles to each other, one of which is		
	perpendicular to the plane		
	containing the "release" trajectory of		
	the pendulum.		
	The end of the pendulum comprises a hammer	Confirmed	Р
	formed by a rigid sphere with a		
	diameter of 165 \pm 1mm having a 5mm		
	thick rubber covering of Shore A hardness		
	50.		
	A device is provided which permits determination	Confirmed	Р
	of the maximum angle assumed		
	by the arm in the plane of release.		
	A support firmly fixed to the structure of	Confirmed	Р
	the pendulum serves to hold the		
	specimens in compliance with the impact		
	requirements specified in paragraph		
	6.1.3.2.2.6. below.		
	Figure 1 below gives the dimensions (in mm) of	Confirmed	Р
	the test rig and the special design		
	specifications:		
	Figure 1	Confirmed	Р



Regulation No.46 Supplement 5 to the 04 series of amendments			
Clause	Requirement	Remark	Judgment
		Confirmed	Р
6.3.2.1.2	The centre of percussion of the pendulum coincides with the centre of the sphere, which forms the hammer. It is at a distance I from the axis of oscillation in the release plane, which is equal to $1 \text{ m} \pm 5 \text{mm}$. The reduced mass of the pendulum is mo= 6.8 ± 0.05 kilograms. The relationship of mo to the total mass m of the pendulum and to the distance d between the centre of gravity of the pendulum and its axis of rotation is expressed in the equation:	Confirmed	Р
	$m_o = m \times \frac{d}{1}$	Confirmed	Р
6.3.2.2.	Description of the test	Confirmed	Р
6.3.2.2.1.	The procedure used to clamp the device for indirect vision to the support shall be that recommended by the manufacturer of the device or, where appropriate, by the vehicle manufacturer.	Confirmed	Р
6.3.2.2.2.	Positioning of the device for indirect vision for the test	Confirmed	Р
6.3.2.2.1.	Devices for indirect vision shall be position-ed on the pendulum impact rig in such a way that the axes which are horizontal and vertical when the mirror is installed on a vehicle in accordance with the applicant's mounting instructions are in a similar position	Confirmed	Р
6.3.2.2.2.2.	When a device for indirect vision is adjustable with respect to the base, the test position shall be that in which any pivoting	Confirmed	Р



Regulation No.46 Supplement 5 to the 04 series of amendments			
Clause	Requirement	Remark	Judgment

	device is least likely to operate, within the		
	limits of adjustment provided by the applicant		
6.3.2.2.3.	In the case of mirrors, except in the case of test	Confirmed	Р
	2 for Class I mirrors (see		
	paragraph 6.3.2.2.7.1 below), when the pendulum is		
	in a vertical position, the hori-		
	zontal and longitudinal vertical planes pass		
	-ing through the centre of the hammer		
	shall pass through the centre of the		
	reflecting surface as defined in		
	paragraph 2.1.1.10. of this Regulation.		
	The longitudinal direction of oscillation of		
	the pendulum shall be parallel to the		
	longitudinal median plane of the vehicle.		
6.3.2.2.6	The test consists in allowing the hammer to fall	Confirmed	Р
	from a height corresponding to a		
	Pendulum angle of 60 degree from the		
	vertical so that the hammer strikes the		
	device for indirect vision at the moment		
	when the pendulum reaches the vertical position.		
6.3.2.2.7.	The devices for indirect vision are subjected to	Confirmed	Р
	impact under the following different		
	conditions:		
	Class I rear-view mirrors	Confirmed	Р
	(a) Test 1: The points of impact shall be	Confirmed	Р
	as defined in paragraph 6.3.2.2.3 above.		
	The impact shall be such that the hammer		
	strikes the mirror on the reflecting surface		
	side.		
	(b) Test 2: Point of impact on the edge of	Confirmed	Р
	the protective housing, such that the		
	impact produced makes an angle of 45		
	degree with the plane of the reflecting		
	surface and is situated in the horizontal		
	plane passing through the centre of that		
	surface. The impact shall occur on the		
	reflecting surface side.		
6.3.3.	Results of the tests	Confirmed	Р
6.3.3.1.1	In the case of mirrors, this requirement is not	Confirmed	Р
	applicable to mirrors stuck to the		
	windscreen, irrespect of which the requirement stip		
	ulated inparagraph 6.3.3.2. shall		



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Clause	Requirement	Remark	Judgment

	apply after the test		
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6.3.3.2	In the case of mirors, should the mounting of	Confirmed	P
	the mirror break during the tests		
	described in paragraph 6.3.2. above for		
	mirrors stuck to the windscreen, the part		
	remaining shall not project beyond the		
	base by more than 10 mm and the		
	configuration remaining after the test shall satisfy		
	the conditions laid down in		
	paragraph 6.1.3. of this Regulation.		
6.3.3.3	The reflecting surface shall not break	Confirmed	Р
	during the tests described in paragraph 6.3.2. Howe		
	ver, breakage of the reflecting		
	surface will be allowed if one of the		
	following conditions is fulfilled.		
6.3.3.3.1	The fragments of glass still adhere to the back of	Confirmed.	Р
	the housing or to a surface firmly	No partial	
	attached to the housing; partial	separation of	
	separation of the glass from its backing is	the glass	
	admissible provided that this does not	exceeding	
	exceed 2.5 mm on either side of the cracks. It is	2.5mm.	
	permissible for small splinters to		
	become detached from the surface of		
	the glass at the point of impact.		

Test result in brief as below:

	-	Test Result	Result	Result	
No.	Items	Technical Requirement	201012AL-01	201012AL-02	Judg ment
1	6.3.2 Impact Test	For the class I of mirrors s tuck to the windscreen, after the test, the part remaining sh ould not project beyond the base by more than 10mm and the configuration remaining should satisfy the requirement of curvature radius not less than 2.5 mm.	After frontal impact test, the mirror base fell off and the remaining protruding part was not more than 10mm, and the radius of curvature of the surrounding parts is more than 2.5 mm	After45 angle impact test, the mirror base fell off and the remaining protruding part was not more than 10 mm, and the radius of curvature of the surrounding parts 15 more than 2.5 mm	Pass



Appendix A Tested Sample

Sample Name	Motor Vehicles Interior Mirror
Sample Type	AS-SRM01
Sample Category	Class I
Category of vehicle for which the	
device is intended	
Remark	The installation angle is 45 degrees

Appendix B Tested Sample Photos

















List of Main Equipments

No.	Name	Serial No.	Туре	Serial No.	Next Calibration Date
1	Impact test apparatus	CHCMM003	ZJ165	LX-2009041159	2020.10.15

All the instruments have been calibrated and are in the period of validity.

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