


1 TEST REPORT IDENTIFICATION

1.1 Test Description

Test UNECE R17 Rev.5

1.2 Document

Document T2305263B Job J35235	Date of document 21/06/2023
Approved by Ing.Massimiliano Bertoldi	Signature 

1.3 Laboratory

Denomination Celab S.r.l. 	Contacts Tel. +39 0773 665421 Fax +39 0773 417534 E-mail: celab@celab.com Web : www.celab.com
Address Via Maira snc, 04100 Latina Italy	

1.4 Customer

Denomination CTA S.R.L.
Address Via Groenlandia, 23 – 00071 - Pomezia (RM)


1.5 EUT identification

Description SWIVEL PLATE PEUGEOT EXPERT WITH ORIGINAL BASE	Celab EUT ID 14940
Part number 9PG0151500V01	
Serial Number NA	
Asset Number NA	
Manufacturer name if different from customer **	
Period of testing 26/05/2023 – 26/05/2023	
Date of receipt of EUT or Location of EUT for testing 9/03/2023	

1.6 Test result

PASS

 All tests are referred to the particular EUT.

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1.9 Document distribution list

Celab S.r.l., Via Maira snc, 04100 Latina
Customer, as indicated in 1.4

1.10 Document revision

Release	Description	Date
A	First release of documents	16/06/2023
B	Correct Section: §1.5 EUT identification; §2.1.2.1 Customer Documents; §2.1.11 Annex.	See 1.2

1.11 Document Security Level

Level	Description
Industry	Document for Customer use Only, under standard CELAB confidentiality procedures.

1.12 Warnings

Reference norms have been used as guide lines, please consult the paragraphs about single tests for further information.
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Any direct or indirect responsibility about limits, results, and what else not expressly indicated in the contract, is excluded.
Results of testing are referred to the particular sample tested.

1.13 Changes to EUT for tests

NA

1.14 Support equipments

NA

1.15 Purpose of tests

Qualification to the applicable standards / requirements

1.16 Operative mode of working

EUT powered OFF

1.17 Configuration and peripherals

NA

1.18 EUT software for testing

NA



1.19 EUT Photo



1.20 Accessories (not tested)

NA

2 TEST

2.1 UNECE R17 Rev.5

2.1.1 Scope of testing

This test determine whether the equipment is compliant with the standard used.

2.1.2 Reference Documents

2.1.2.1 Customer Documents

- Document signed in Celab with Customer of 26/05/2023
- E-mail from customer of 29/05/2023

2.1.2.2 Standard Documents

UNECE R 17 Rev.5 of 26 June 2014



The reference document are used as standard guideline, refer to procedure for more details.

2.1.3 Configuration of EUT during testing

The EUT was setup in accordance with customer's specifications §2.1.2.1

2.1.4 Procedure

- 1) Conduct an initial visual inspection of the EUT.
- 2) Install the EUT on the sled along the longitudinal axis direction of load.
- 3) Install one monoaxial control accelerometer to control the test level imposed by the sled during test.
- 4) Submit the EUT, in its first configuration, to an horizontal deceleration of 20g with a duration of 30ms. Spectrum of shock as for Figure 1.
- 5) Check eventually damage of the EUT.
- 6) Remove the EUT from the sled.
- 7) Repeat from step 4) through step 7) for the second configuration of the EUT.
- 8) Conduct a final visual inspection of the EUT.

Note: In all the decelerations one monoaxial control accelerometers were used to keep control of the test level imposed by the sled. The EUT was mounted on the fixture using M8 screws wrenched at 23Nm.

All reference of the axis in the present test report are related to the EUT, not to the accelerometers.



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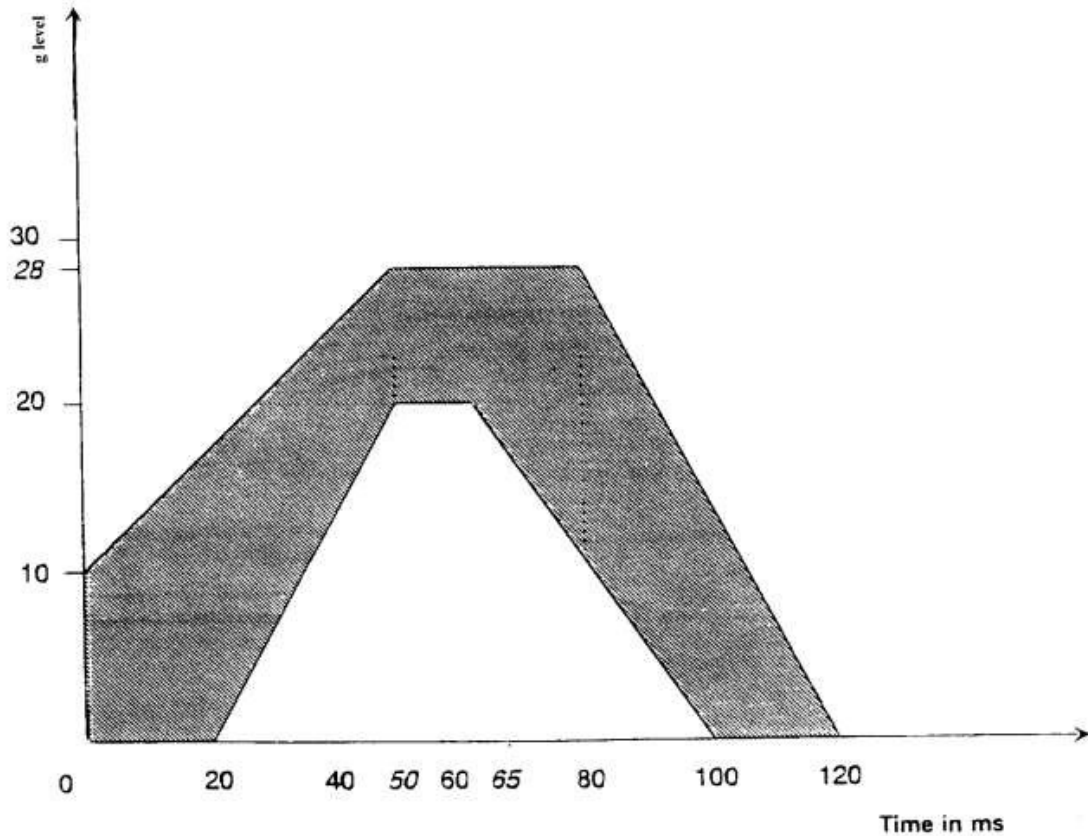



Figure 1 Test Graph of deceleration Test

 *The quality system used for testing is compliant with EN 17025 standards and to CELAB Quality system.*

2.1.5 Uncertainty

Confidence level 2sigma; 2% for acceleration. 5% for time

 *The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$. It provides a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirement.*

2.1.6 List of Equipment used

INSTRUMENT USED (*)


Asset	Description	PN	SN	Cal Doc	Cal date	Due cal
S1020	Scheda Acquisizione	NI9234	1C5ACC	V2303217	21/03/23	19/03/24
S1070	CompactDAQ chassis (NI CDAQ-9188	01C24462	V2301310	31/01/23	30/01/24
S1080	Slitta per crash tes	*	*	V2207150	15/07/22	14/07/23
S1220	Accelerometer 500g	356B21	LW283113	V2211085	08/11/22	07/11/23

(*) Such instruments were used during the activity and are traceable to the first line standards. Traceability means: property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties.

 *This test is issued in accordance with the laboratory quality system. It provide traceability of measurement to recognized national and international standard.*

2.1.7 Test environment

Temperature	:	22°C +/- 4°C
Humidity	:	60%rH +/- 20%
Pressure	:	800-1100mBar
Environment	:	Laboratory

 *Environmental data are registered according to Celab Quality System. Instruments used are defined in internal environment procedures.*

2.1.8 Terminology used in testing

EUT	Equipment under test
PASS	It means a test passed (note: if flagged together with CST. It means that PASS is related only to checks indicated in 'Test Result' chapter.
FAIL	It means a test Fail
CST	It means that results and interpretation of testing results is responsibility of customer or test complexity requires customer's activities out of laboratory control.
NA	Not available / Not Applicable
NP	Not Performed.

2.1.9 Pass Condition

Absence of damage of seat's anchorage, adjustment, locking and displacement

2.1.10 Test Result

✓	PASS	FAIL	CST
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Absence of damage of seat's anchorage, adjustment, locking and displacement

All functional checks before, during and after test were conducted by customer.

 *All tests are referred to the particular EUT.*