



Harness Impact Pad Report

Inspection certificate number: **PH_274.2019**

Manufacturer data:

Sample data:

Manufacturer name:	Davinci Products Inc.	Name impact pad:	n/a
Representative:	Jihun Lee	Impact pad integrated:	Yes
Street:	53 sinchon-gil, Okcheon-myeon, Yan	Impact pad type:	Airbag
Post code place:	Gyeonggi-do 12505	Serial number:	n/a
Country:	Republic of Korea	Weight of sample [kg]:	n/a
		Date of test:	14.05.2019
Harness model:	Harmony Passenger Air		

Atmosphere AGL:

[C°]	21.4
RH [%]	40
[hPa]	978.1

Summary of Impact pad test ⁽¹⁾

Test id	Test configuration ⁽²⁾	Max Peak of Impact [g] ⁽³⁾	Duration at 38 [g] in [ms] ⁽⁴⁾	Duration at 20 [g] in [ms] ⁽⁵⁾	Diff. of test 1 and 2 [%] ⁽⁶⁾	Result
P	V Test sample attached to dummy in flying position, without emergency parachute	18.70	0.00	0.00	-13.45	POSITIVE
PR	Test sample attached to dummy in flying position, Include emergency parachute	0.00	0.00	0.00	0.00	n/a

Manufacture	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	23.01.2024
JDC elec	Geos n°11 Skywatch	Geos n°11	22	08.05.2020

The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20

⁽¹⁾ Calculated value in tests reports include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

⁽²⁾ The dummy is lifted minimum up to 1.65 m, and impact pad is mounted on. Where the impact occurs, measure distance from bottom of impact pad to ground.

⁽³⁾ Maximum peak of impact should be less or equal to 50 [g], ⁽⁴⁾ If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms], ⁽⁵⁾ If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms]. ⁽⁶⁾The test should be done twice, and the 2nd test the maximum peak should not differ more than 20% from the first test, maximum peak.

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Name impact pad: **n/a**

Test results of Impact pad test

	without emergency parachute		include emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	18.70	16.18	0.00	0.00
Impact duration at +38 [g] in [ms]	0.00	0.00	0.00	0.00
Impact duration at +20 [g] in [ms]	0.00	0.00	0.00	0.00
Uncertainty k=2[g]	1.08	0.93	0.00	0.00
Difference of test 1 and 2 [%]	100.00	86.55	n/a	n/a

