

Harness Impact Pad Report

Inspection certificate number: **PH_286.2019**

Manufacturer data:

Manufacturer name: **Woody Valley srl**
 Representative: **Simone Caldana**
 Street: **Via Vienna 92**
 Post code place: **30121 Trento**
 Country: **Italy**

Harness model: **Wani Light 2**

Sample data:

Name impact pad: **n/a**
 Impact pad integrated: **Yes**
 Impact pad type: **Airbag**
 Serial number: **n/a**
 Weight of sample [kg]: **n/a**
 Date of test: **17.09.2019**

Atmosphere AGL:

| | |
|--------|--------------|
| [C°] | 23.5 |
| RH [%] | 56 |
| [hPa] | 974.4 |

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 | 17.37 | 0.00 | 0.00 | -2.87 | POSITIVE |
| PR | V | Test sample attached to dummy in flying position, Include emergency parachute | 26.80 | 0.00 | 7.50 | 1.01 | POSITIVE |

| 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] | 17.37 | 16.87 | 25.79 | 26.80 |
| 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 | 7.50 | 6.67 |
| Uncertainty k=2[g] | 1.00 | 0.97 | 1.48 | 1.54 |
| Difference of test 1 and 2 [%] | 100.00 | 97.13 | 100.00 | 103.91 |

