

Miscellaneous Impact Pad Report

Inspection certificate number: **MISC_174.2021**

Manufacturer data:

Manufacturer name: **Nova Vertriebsgesellschaft m.b.H.**
 Representative: **Philipp Medicus**
 Street: **Auweg 14**
 Post code place: **6124 Terfens**
 Country: **Austria**

Harness model: **Not related to specific model**

Sample data:

Name impact pad: **Alumina X-Alps**
 Emergency parachute integrated: **No**
 Impact pad type: **Other**
 Serial number: **AL_001**
 Weight of sample [kg]: **0.105**
 Date of test: **09.11.2020**

Atmosphere AGL:

[C°]	23.5
RH [%]	45
[hPa]	1024.2

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	Test sample attached to dummy in flying position, without emergency parachute	42.96	2.50	16.67	-1.23	POSITIVE
PR	Test sample attached to dummy in flying position, Include emergency parachute	0.00	0.00	0.00	0.00	n/a

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **09.03.2021**
 Managing director: **Alain Zoller**

Signature:



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

This signature approve the validity of the test reports if available. **Air Turquoise SA**, having thoroughly assessed the sample mentioned above, declare it was found conform with all requirements defined by the following norms:

Airworthiness Requirements **LTF NFL II 91/09** - European Standard **EN1651 :2018**

⁽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: **Alumina X-Alps**

Test results of Impact pad test

	without emergency parachute		include emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	42.96	42.43	0.00	0.00
Impact duration at +38 [g] in [ms]	0.83	2.50	0.00	0.00
Impact duration at +20 [g] in [ms]	16.67	16.67	0.00	0.00
Uncertainty k=2[g]	2.47	2.44	0.00	0.00
Difference of test 1 and 2 [%]	100.00	98.77	100.00	#DIV/0!

