

Inner container strength test

Identification number: **MISC_175.2021**

Test Report

Manufacturer data

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

Sample data ⁽¹⁾

Name of inner container: **inner rescue container Artus** Size: **one size**
 Serial number: **AR_IRC_001** volume packed [cm³]: **2300-3100**
 Date of reception: **22.02.2021**

Test data

Place of test: **Villeneuve**
 Date of test: **22.02.2021**
 Inspector: **Alain Zoller**

Atmosphere AGL

[°C]: **19**
 RH [%]: **34**
 [hPa]: **1010**

Results ⁽²⁾

Component no. 1 - load of 700 [N] applied for minimum 10 [s] : **11.2 [s]**
 Component no. 2 - load of 700 [N] applied for minimum 10 [s] : **n/a [s]**
 Component no. 3 - load of 700 [N] applied for minimum 10 [s] : **n/a [s]**

Duration at the required strength, 1 out of 3 component [s] : **11.2 [s]**

Component no. 1 maximum strength before broken [N] : **1112.4 [N]**
 Component no. 2 maximum strength before broken [N] : **n/a [N]**
 Component no. 3 maximum strength before broken [N] : **n/a [N]**

The maximum strength before broken, 1 out of 3 component [N] : **1112.4 [N]**

The uncertainty is included in the values above

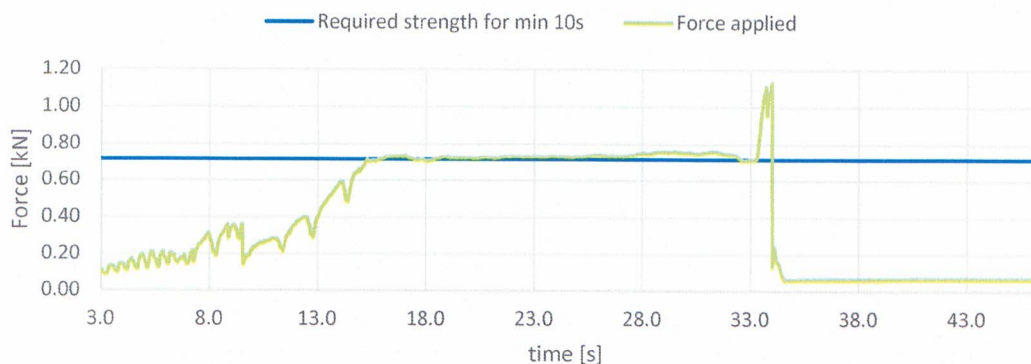
Uncertainty K=2 [N] ⁽³⁾ : **21.7 [N]**

Identification number:

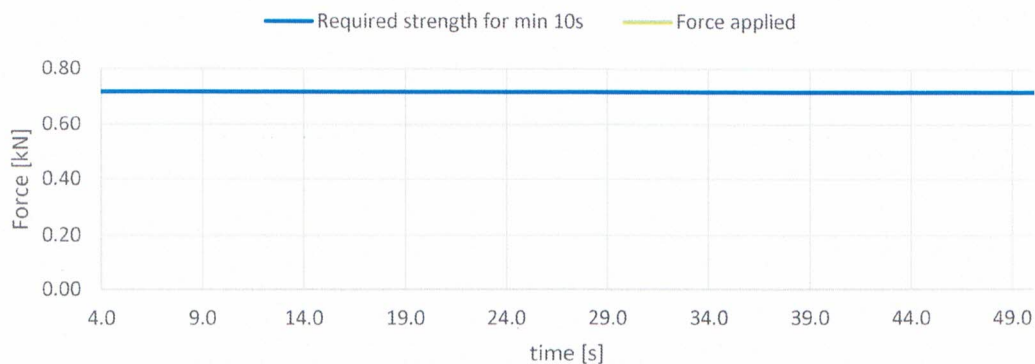
MISC_175.2021

Graphic force diagram

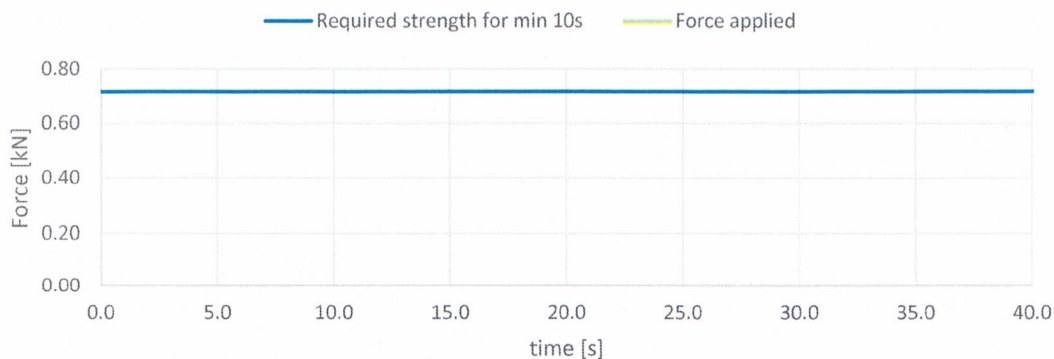
Force applied on component no. 1



Force applied on component no. 2



Force applied on component no. 3



Identification number: **MISC_175.2021****Nova Vertriebsgesellschaft m.b.H. inner rescue container Artus one size****Result summary**

Inner container strength test. Applied minimum 700 N for at least 10 seconds and at maximum strength.

Duration at the required strength: **11.2 [s]**The maximum strength before broken: **1112.4 [N]**

Place of declaration

Villeneuve

Date of issue:

09.03.2021

Managing director

Alain Zoller

Signature:



This signature approve the validity of the test report, and can be included in the inspection certificate 71.5.1

Air Turquoise SA has thoroughly tested the sample of riser/bridle mentioned above and certifies its conformity with the standards: **EN 12491: 2015 chapter 5.3.2 and LTF
NfL 91/09 chapter 6.1.8**

Instrument	Validity		Manufacturer	Type no.	S/N
Load Cell (axial)		04.09.2023	Burster GmbH (DE)	8431-10000	1185483
Winch	check every 12 month		Arwin	300/600	N/A
Geos n° 11 Skywatch		08.05.2020	JDC elec.	Geos n° 11	22

⁽¹⁾ Inner container: container of the folded emergency parachute.⁽²⁾ Inner container (the connection between handgrip and inner container) is loaded at min 700 [N] over 10 seconds. The deployment system is loaded until breaking. Each component is tested.⁽³⁾ Calculated value 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 measured lies within the assigned range of values with a probability of 95%.