



Flight and Load test report - EN 12491:2001

Manufacturer Kontest GmbH / Aircross
Address Gut Grauhof 1
 38644 Goslar
 Germany

Certification number: EP 078.2013
Type/model: U-Safe 130
Total weight in flight: 130 kg

| Description of tests | place: | date: | result: |
|--|----------|------------|---|
| 1. Deployment system strength test A load of 700 N between each components | CZ | 02.11.2009 | OK |
| 2. Speed of opening test - ref. A (2 times) Time from the instant of free drop until a load of 200 N is sustained | | | |
| Opening time | CZ | 02.11.2009 | OK |
| Opening time | CZ | 02.11.2009 | OK |
| 3. Descent rate and stability test - ref. A and B (2 times) The paraglider is released as the parachute begins to open, minimum 100 m descent. | | | |
| Stability 1 | CZ | 02.11.2009 | OK |
| Sink rate 1 | CZ | 02.11.2009 | OK |
| Stability 2 | CZ | 02.11.2009 | OK |
| Sink rate 2 | CZ | 02.11.2009 | OK |
| 4. Strength test 40 m/s opening shock (2 times) The drop test device is accelerated to a straight line velocity of 40 m/s. Speed of opening is less than 5 seconds and shock not exceeded 15g | | | |
| Test 1 | Illarsaz | 20.02.2013 | OK |
| Test 2 | Illarsaz | 20.02.2013 | OK |
| 5. Interaction and stability test (piloted) - ref. C a the emergency parachute is deployed from a paraglider in normal straight flight. b the pilot shall take no action while the behaviour of the parachute and paraglider are observed 200 metres. c the pilot take action while the behaviour of the parachute and paraglider are observed 200 metres. | | | not available not available not available |

The model described is in conformity with all points of the standard EN 12491:2001



For Air Turquoise SA

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Weather data, ref. 3 and B

| Date / place | hPa | wind | temp | humidity |
|-------------------------------------|---------------|--------|------|----------|
| Czech Republic recognising - RS 130 | 989.6 | 8 km/h | 29.7 | 78.0% |
| Corrected mass: | 120.74 | | | |
| Czech Republic recognising - RS 130 | 987.8 | 6 km/h | 28.5 | 75.0% |
| Corrected mass: | 121.0 | | | |

Reference

A. At horizontal airspeed 8 m/s and vertical speed 1.5 m/s

B. Formula to be used for correcting the test mass ofr differences from ICAO standard atmosphere

$$m_{\text{corr}} := m_{\text{dec}} \cdot \frac{p \cdot T_0}{p_0 \cdot T}$$

Ground level atmospheric pressure at the test location: (p)

ICAO standard atmospheric pressure at MSL: (p₀)

Ground level température at the test location: (T)

ICAO standard temperature at MSL: (T₀)

Total weight in flight: (m_{dec})

Corrected mass: (m_{corr})

C. Only parachute with controls for steering and landing flare



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ISO 9001
 BUREAU VERITAS
 Certification

