



4pets ECO TÜV SÜD Certification

In many parts of the world, a dog-box is already the most common and appreciated safety transportation system.

After years of testing and gathering experience, leading automobile and pet associations in Europe are convinced that a correctly used dog-box is the safest way to transport your dog and promote stable, high quality metal dog-boxes, such as the 4pets ECO, as the safest way to transport a dog in a vehicle.

To guarantee adequate safety, quality, durability as well as functionality, every dog safety transportation systems for vehicles should undergo inspection by independent and recognized technical service organizations or authority. Self-conducted safety and crash test do not provide certified, independent and/or impartial judgment and safety. Actually, they can be dangerous and misleading.

Therefore, all 4pets safety transportation systems undergo safety testing by the TÜV SÜD, the world leading technical service organizations. Founded in 1866 in Germany, the TÜV SÜD is a highly specialized testing and product certification company with particularly extensive experience in the automotive industry. They are obliged to guarantee the compliance with internationally standards and legal requirements. Consequently, the TÜV SÜD product certification marks issued base on standards set according to internationally recognized benchmarks. Therefore, TÜV tests guarantee consumer to buy a safe and sound product.

The 4pets ECO crates are the first in the world with an official TÜV SÜD certification and only independent safety tested till date. All 4pets ECO crates passed the rigorous tests in every aspect and have been awarded with the TÜV SÜD certification (**Certification Nr. B 17 08 29106 018**) on **September 11th, 2017**.

The TÜV tests were carried out according to the European Test Norm: PPP EK5/AK6 11-01:2011 and ECE-R 17.

Following criteria have been tested in the certification process of the TÜV SÜD:

- Crashtest
- Test drives on bad road - Belgian block test drive
- Technical documentation
- Fixation in the vehicle
- Non-positive connections
- Sharp edges and corners
- Cover pipe ends / risk of injury
- Shearing and crushing points
- Screws
- Connection points
- Welded joints
- Rivets
- Corrosion protection
- Safety against rupture
- Locks
- Labeling
- User manuals
- General information and directives
- General legal directives
- Safety instructions
- Fulfillment REACH regulation

4pets

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The Crashtest

For the official TÜV test series, the 4pets ECO dog-boxes have been mounted on a sledge, placed at profile and fixed accordingly the manual with the included "StrapFix Set" and loaded with reference weights of up to 50 kg (110.2 pounds). This setup is equivalent to a dog-box in a car trunk with a folded-down rear bench. For the second test done, called the "Pick Up" test, the crates are fixed on the sledge only by using the included StrapFix. This setup is equivalent to a dog-box in a Van or on a Pick up, with no rear seat bench. To comply with the TÜV-SUD provisions it had been required that the dog has to stay inside the crate in any way. If the crate is destroyed or has broken parts, the test is passed, when the dog stays inside.

The tests have been executed with a speed of 50 km/h (31 mph). The force generated during such tests are approximately equivalent to the twenty-five times weight of the load (dog) in the crate. All the crates have passed these tests with excellent results. Additionally there have been test drives on a bad road (Belgian block test drives) with 25 km/h (15.5 mph) with following criteria: There must be no permanent deformations, which impair the function; cargo must still be in secured condition; no breakdown of the attachment parts; attachment parts must not loosen and doors must not open. The ECO crates also passed these tests and all the other above listed and tested aspects with excellent results.

TÜV SÜD and 4pets are very well aware of the fact that people normally do not drive with their back seat down. A back seat in its normal upright position provides additional resistance in case of an impact. The TÜV crash-test for the ECO has been carried out under aggravated conditions. In case of the ECO, this was with a folded down rear bench to investigate if the included straps could hold the crate in its position and the animal does not break through the back panel during a crash. The ECO passed all tests under these aggravated conditions. Consequently, in the normal every day situation with the extra resistance of the upright rear bench to the back panel of the ECO, it is even safer.



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