GB-Standard 16897-2010 for Brake Hoses

The GB Standard 16897-2010 defines the test requirements for CCC certification of brake hoses needed for the Chinese market. This GB-Standard applies to brake hoses of automotive vehicles (including motorcycles) and trailers.

Test requirements according to GB-Standard 16897-2010

The brake hoses shall meet test requirements such as:

- **General tests for all brake hose types:**
  - Throughput of bore after constriction
  - Cold resistance
  - Ozone resistance
  - Rupture strength (updated)

- **Air brake hose**
  - Air tightness (updated)
  - Rate of length change
  - Tensile strength (updated)
  - Brake fluid compatibility
  - Adhesion strength
  - Heat resistance
  - 3# oil volumetric change rate resistance
  - Tensile strength after enduring water (updated)
  - Zinc chloride resistance
  - End Fitting corrosion resistance

- **Vacuum brake hose:**
  - Vacuum test
  - Change of external diameter for bending endurance/ Bend test
  - Adhesion strength
  - Heat resistance
  - Fuel resistance (updated)
  - Deformation resistance

- **Hydraulic brake hose:**
  - Maximum expansion
  - Brake fluid compatibility (updated)
  - Flex fatigue
  - Tensile strength
  - Water absorption (updated)
  - Hot impulse resistance (updated)
  - End Fitting corrosion resistance

The GB Standard 16897-2010 includes various updated product tests compared to the 16897-1997 version. Please find them marked in blue and highlighted with “(updated)”

► **MPR China Certification GmbH and China Certification Corporation** will consult you regarding all GB-Standards and support you during the complete certification process:

- Straightforward, transparent handling of the certification process
- All-inclusive consulting worldwide
- Regular updates and information regarding the certification progress
- Important contacts to all relevant Chinese certification authorities and test labs

Please do not hesitate to contact us for any questions

**MPR China Certification GmbH - China Certification Corporation**

Tel.: Germany +49 69 271 3769 150, UK +44 2071931135, US +1 773 654-2673

Email: info@china-certification.com

All information is based on unofficial translations of documents provided from the Chinese certification authorities CCAP, CQC, CNCA and AQSIQ. The above information might be outdated and incomplete, and hence, are without warranty. All information displays the state of affairs as of October 2016. The MPR China Certification GmbH and China Certification Corporation assume no liability for differing, changed or incomplete information.