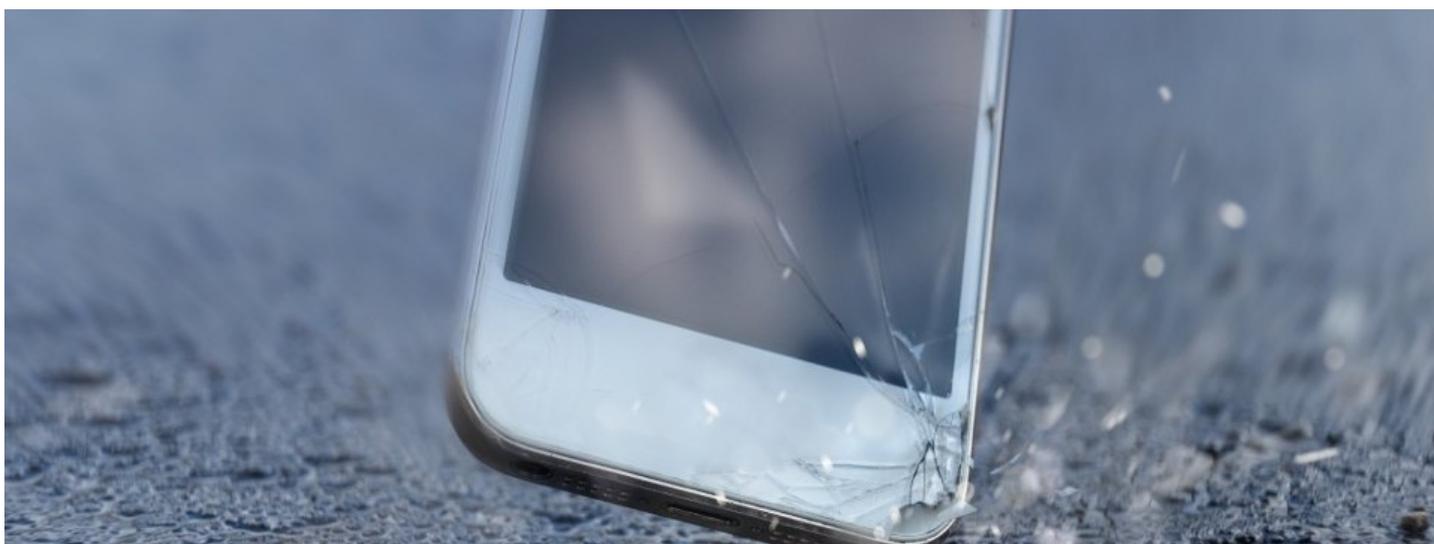


Environmental Testing



Different product characteristics like functionality or lifetime are strongly depending on the environment. This does not only include the environmental conditions at the operation site but also the specific climatic conditions during shipping and storage.

Different product characteristics like functionality or lifetime are strongly depending on the environment. This does not only include the environmental conditions at the operation site but also the specific climatic conditions during shipping and storage.

In our test laboratory we carry out extensive tests in the field of environmental simulation:

- Shock tests (e.g. according to IEC 60068-2-27)
- Vibration tests (e.g. according to IEC 60068-2-6/ DIN EN 61373)
- Shock tests
- Drop tests
- Tests during development
- Transport simulations
- Temperature and climate tests according to IEC/EN 60068-2 series of standards
- Temperature shocks
- Salt spray tests
- Dust protection according to IEC/EN 60529
- Water protection according to IEC/EN 60529
- Flammability tests (glow wire, Bunsen burner, needle flame test)
- IK code tests
- Noxious gas, single or mixed gas tests
- Qualification tests
- Heat and fire resistance tests according to IEC 60068-2-X series of standards (cold, dry and moist heat from -70 °C to +250

Kiwa Primara GmbH
DE.Primara.Info@kiwa.com
+49 (0)8341 99726 0

°C)

- UL raaintests
- Determination of tracking resistance / CTI value (EN 60112)

Test centre for hydraulic system components

Kiwa Primara also tests hydraulic system components: such as tanks, valves and other high-pressure systems used in hydrogen applications, for example.

During the test, we evaluate the ability of the components to withstand the required pressure. The maximum test pressure is 1800 bar.

The test includes video monitoring and recording (temperature, humidity and pressure can be recorded). The test medium is water.

- Accelerated stress rupture
- high pressure
- Hydrogen
- Burst test
- Valve test
- Hydraulic

Applicable standards:

- EC 79/2009
- EU 406/2010
- UN/ECE R134
- GTR 13 ECE TRANS 180
- EN 12245/2011
- ANSINGV 2-2007
- FMVSS 304
- EN 17339/2020
- ISO 11439/2000
- SAE J2579