

Mauser tests

The following tests are carried out one after another on each single IBC for type approval, before a certificate for dangerous goods will be granted:

Chemical Compatibility Test

This test is the basis for all other tests and is performed with the following standard liquids: water, acetic acid (98%), nitric acid (55%), white spirit, n-butylacetate mixed with wetting agent (2%) and wetting agent (5%).

The MAUSER Repaltainer will then be stored 4 weeks under +40°C.

Bottom Lift Test

The IBC is filled to 1.25 times of its maximum permissible gross mass and then lifted twice at 75% of its entry side with a fork lift.

Stacking Test

During 24 hours, the container is stacked with at least 1.8 times of its maximum permissible gross mass. The MAUSER Repaltainer has been tested with 4,300 kgs.

Leakage Test

During 10 minutes, the MAUSER Repaltainer is exposed to a pneumatic air overpressure of 20 kPa.

Pressure Test

The MAUSER Repaltainer is filled with water and tested at a hydraulic overpressure of 100 kPa during 10 minutes. Not a single drop of water is allowed to escape.

Drop Test

For this test the IBC is filled with antifreeze and cooled down to -18°C. After that it is dropped from a height of minimal 1.20 m on its base and the valve area.

The MAUSER Repaltainer is proved at 1.90 m drop height.

To ensure safety and quality of the MAUSER Repaltainers, regular leakage-, pressure- and drop-tests are carried out in our own test laboratories.