

UN Third Party Certification Agency
Test Report Format

SECTION I

Basic Information:

- 1) Packaging manufacturer's name and address or test laboratory customer's name and address;
- 2) Testing laboratory's name and address (if different from (1));
- 3) Unique test report identification number;
- Date of the test report;
- 5) Signature of certifier and name and title.

SECTION II

Packaging Description:

Applicable to all design types; additional design specific information is provided in the appropriate packaging design standard.

- 1) Packaging design standard (UN 1A1, UN 4G, UN 6HA1, etc) and trade name.
- 2) Packaging manufacturer's name and address, if different from the customers name and address.
- 3) Packaging component (cap, inner package, etc.) manufacturer's name and address, if different from above.
- 4) Material of construction of the packaging body, heads, lid, etc;
 - a) Type and grade
 - b) Thickness
 - i) Minimum
 - ii) Nominal
- 5) Method of construction
- 6) Capacity
 - i) Nominal
 - ii) Maximum
- 7) Dimensions, external-see appropriate design type for additional required information;
- 8) Closures- see appropriate design type for additional required information;
- 9) Tare mass of complete packaging and individual components;
- 10) Filled mass of package as tested;
- 11) Closure method
 - a) Equipment used to close the package; and
 - b) Description of a repeatable and consistent means of close.
- 12) Inner receptacles and inner packagings-see appropriate section for additional required information

Section III

Test Description and Results:

- 1) Test method;

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- 2) Conditioning (if required);
- 3) Test contents, material used, viscosity and relative density for liquids (if other than water and antifreeze) and particle size for solids;
- 4) Pass/fail criteria
- 5) Test results.

Section IV

Mathematical Calculations performed to conduct and document testing. Calculations must be accurate to the nearest .1 kilogram

- 1) Packaging filling limits to determine 98% or 95% full for testing;
- 2) Drop height for high specific gravity liquids;
- 3) Stacking test load;
- 4) Other calculations as required.

For calculations that are included on the package test reports the following tolerances are authorized:

- Mass in kilograms (kg) +/-2%
- Pressure in kilopascals (kPa) +/-3%
- Distance/length/ thickness in millimeters (mm) +/-2%
- Temperature in degrees Celsius (°C) +/-1°C
- Humidity in percentage (%) Tolerances are specified in the test methods.
- Time in minutes (min) +/-3%
- Torque in Newton meters (Nm)+/-3Nm

Note: Where maximum or minimum values are specified in the regulations, the tolerances shall be one sided, e.g. minimum test pressure

Section V

- 1) Packaging design drawings for all packaging components