

GS1 testing

We had our hangers GS1 equivalent tested in Hong Kong

This testing included the following:

- Heavy Metal Content on Packaging Materials (EU and US)
Sample digestion. Analysis of Lead, Cadmium and Mercury were performed by Inductively Coupled Argon Plasma Spectrometry. Analysis of Chromium VI was performed by UV-Visible Spectroscopy.
- Hook Strength
Hook is pulled at a constant rate of 2 inch/minute until separated from hanger or damaged. Maximum force (lb) is measured.
- Proof Load Capacity
Hanger is loaded at two recessed points along hanger span at a constant rate of 2inch/minute to below force. ≤ 15 inch length: 6.0 lb ≥ 16 inch length: 12.0 lb
- Hook Security
The hook must sustain 5kg tension
- Hook Cantilever
Apply 9 inch-lbs torque around from axis of symmetry.
- 45-degree Tension Test
25lb tension force is applied on the hook in 45 degree to the central axis of the hanger.
- Resistance to Corrosion (Applicable to metal parts – metal hook, metal clips)
ASTM B117 (Modified). Withstand 24 hours in 1% salt spray (fog)
- Hanging Loading Test – Container (for paper hanger)
Shall withstand 5 lbs vertical load after suspending for 5 days at 80°C, 90% R.H.
- Hanging Loading Test – Room Temperature (for paper hanger)
Shall withstand 5 lbs vertical load after suspending for 5 days at room temperature.