

Test Report No.7191260208-EEC21-NKH
dated 04 June 2021



PSB Singapore

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SUBJECT:

Testing of Plastic Toolbox Submitted by CIXI GUANGHUA INDUSTRY CO., LTD.
on 21 May 2021

TESTED FOR:

CIXI GUANGHUA INDUSTRY CO., LTD.
Xinheng RD, Xiaolin Town.
315321 Cixi, Zhejiang.
Pepole's Republic Of China

Attn: Du Jun Qiang

DATE OF TEST:

25 May 2021 – 04 Jun 2021

SAMPLE APPLICATION REFERENCE:

N.A

DESCRIPTION OF SAMPLE:

10 boxes with the following descriptions were submitted for testing:

Manufacturer : CIXI GUANGHUA INDUSTRY CO., LTD

Packaging Description : Plastic Toolbox

Size of box : (Outer dimensions) :435mm (L) x 429mm (W) x 150mm (H)

Weight of empty box : 3.1kg

Mass & content : 7.7kg

Type of Material : HDPE

Method of closure : Buckle lock

Colour of box : Orange / Black

UN Code No : 4H2/Y7.7/S/**

Sprayed-on paint

Marking on box : Nil

Embossed marking : BAHCO

Packing Group : II



TÜV SÜD PSB

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METHOD OF TEST:

UN Recommendation for Transport of Dangerous Goods – Model Regulations (19th Revised Edition : 2015)

1. Drop test - Clause 6.1.5.3
3. Stacking test - Clause 6.1.5.6



Photo of Test Sample



Photo of Inner layout



TEST RESULTS:

Table 1: Drop Test

Sample Reference: Plastic Toolbox		
Type of Test	Results	Requirements
Drop height (m) at 7.7kg.		1.2m
Drop Test	Flat at the bottom	Passed
	Flat at the top	Passed
	Flat at the long side	Passed
	Flat at the short side	Passed
	On a corner	Passed
		Shall not exhibit any damage liable to affect safety during transport.

Note: The drop samples (toolbox) were conditioned at -18°C prior to test.

Table 2: Stacking Load Test

Sample Reference: Plastic Toolbox		
Type of Test	Results	Requirements
Stacking Load Test (24 hours at 147kg)	Passed	Shall not have any leakage of the filling from the inner packaging. Shall not show any deterioration or distortion liable to reduce its strength or cause instability on stacks of packages.

CONCLUSION:

The plastic boxes comply to the requirements of UN Recommendation for Transport of Dangerous Goods clause 6 for the packaging content not exceeding 7.7kg.



Ng Kian Hock
Testing Officer

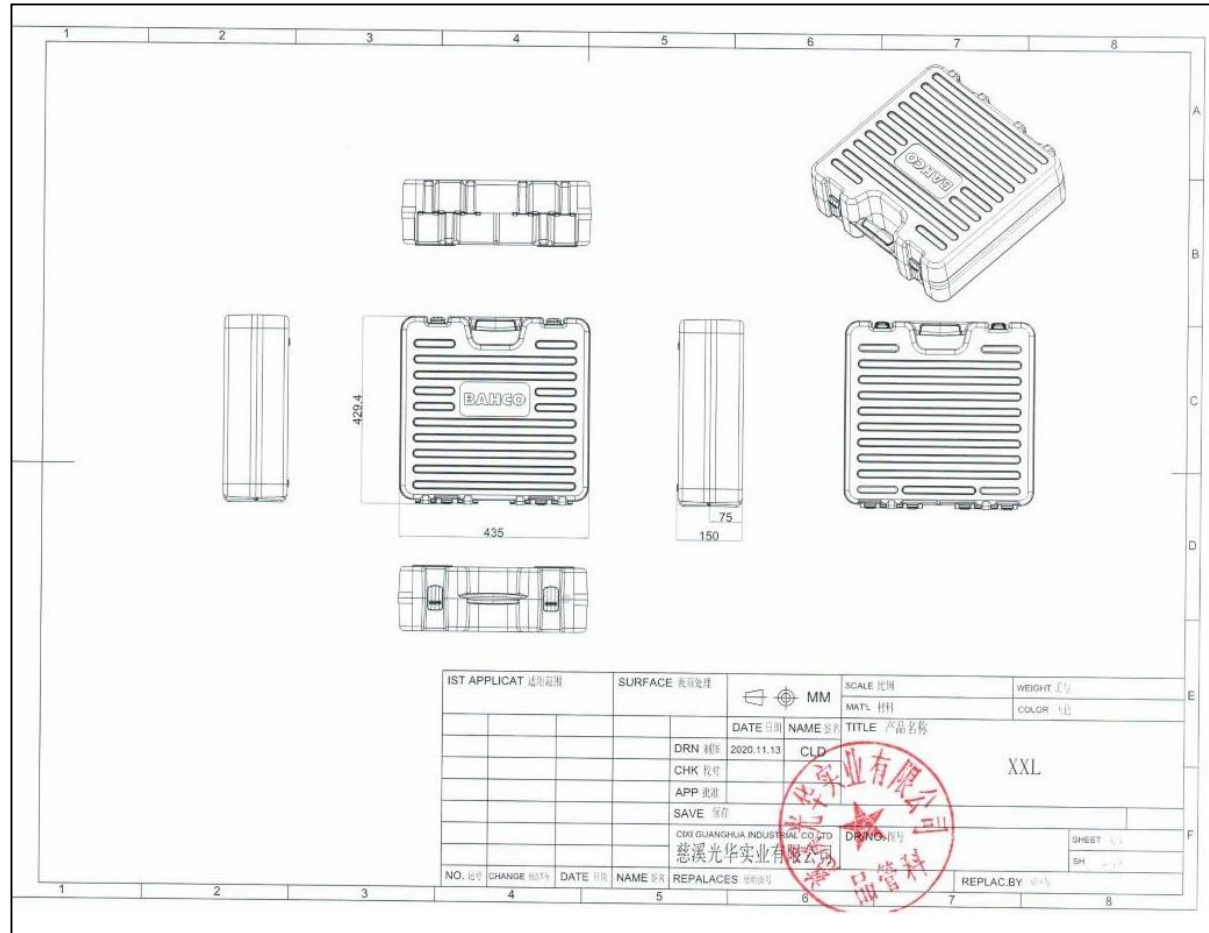


Teo Eng Hua Vincent
Product Manager
Product Service (EEC)

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Technical drawing of test sample

Kiamul Leo

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Effective 26 January 2021

