

TEST REPORT

Applicant:

Date: Jul 11, 2024

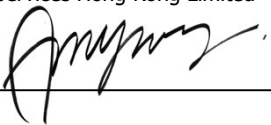
Attn:

Sample Description As Declared :

No. Of Sample : Several
Sample Description : PVC Rain Boot

Sample Weight : 1.2kg
Fiber Content : PVC
Ref. : Colour: Black
Style No: HVPVCRNM
Brand: Unbranded
Season: Spring
PO No: 08954921
SKU No: 089-9534-6
Country Of Origin: China
End Use: Men/ Women/ Children/ Infant's Consumer Casual Footwear Rainboot
Date Received/Date Test Started : Jul 09, 2024

For and on behalf of
Intertek Testing Services Hong Kong Limited



Amy K.W. Wong
Assistant General Manager



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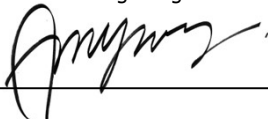
Original Sample Photo:



Figure 1: Test Sample

For any sustainability support or queries on this report, you are welcome to contact our Assistant Director:
Brenda Wong - Mobile phone and Whatsapp at (852) 9726 1720 or via email brenda.ps.wong@intertek.com

For and on behalf of
Intertek Testing Services Hong Kong Limited



Amy K.W. Wong
Assistant General Manager



TEST REPORT

Tests Conducted (As Requested By The Applicant)

- 1 Earthworm, Acute Toxicity Tests (OECD 207):

PROJECT DESCRIPTION:

PVC RAIN BOOT samples were submitted for testing under standard as per ASTM D5511 for 45 days, post which **OECD 207 Earthworm, Acute Toxicity Tests** is performed on the biodegraded residue.

Principle of OECD 207:

Eisenia foetida species of earthworm are used for earthworm toxicity testing. The artificial soil test involves keeping earthworms in samples of a precisely defined artificial soil to which a range of concentrations of the test substance has been applied. Mortality is assessed 7 and 14 days after application. Control are used to assure that effects observed are associated with or attributed only to the test substance exposure. The earthworm is brought from Vermicomposting beds.

The mortality in the controls should not exceed 10 per cent at the end of either test.

RESULT:

The earthworm toxicity study was conducted as below-

Table 1: Average weight of earthworms before and after study

Particulars		Initial	Final
Control (g)		0.4187	0.4198
Test sample (g)	1mg/kg	0.3986	0.4015
	10 mg/kg	0.4106	0.4091
	100 mg/kg	0.4055	0.4107
	1000 mg/kg	0.4209	0.4283
	10000 mg/kg	0.4084	0.4122

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Table 2: Mortality

Particulars		Mortality (%)
Control (g)		0
Test sample (g)	1mg/kg	0
	10 mg/kg	0
	100 mg/kg	0
	1000 mg/kg	0
	10000 mg/kg	0

The mortality rate was found to be 0 %.



Figure 2: Earthworm before exposing it to the compost containing plastic residues.

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Tests Conducted (As Requested By The Applicant)



Figure 3: Earthworm After exposing it to the compost containing plastic residues.

CONCLUSION:

Biodegradation residue after anaerobic degradation of PVC RAIN BOOT Sample for 45 days did not show any negative effect on the earthworm and the mortality rate was found to be 0%.

Remark: The test was subcontracted to laboratory under Intertek group.

End of Report

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