

## **PACKING MATERIAL SPECIFICATION**

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Name of Material	390 x 345 x 395MM GHPL LITACOLD FLU PRINTED 5 PLY SHIPPER				
Specification No.	SPEC-PTMT0027-00	Revision No.	00	Item Code: PTMT0027	
Supersedes	NIL	Effective Date	20/08/202	Page No.: 1 of 4	

S.NO	PACKING MATERIAL GENERAL SPECIFICATION (s)					
1.0	Storage condition	Store in room temperature.				
2.0	Precautions, Handling hazards & Special instructions for sampling if any	No special instructions.				
3.0	Total Quantity of sample required for analysis	1 number of Shipper.				
4.0	Quantity of reserve sample	Not applicable.				
5.0	Sampling Instructions	Follow the Standard operating procedure number: ST/QC/041.				
6.0	Destruction Instructions	Follow the Standard operating procedure number: ST/QC/032.				
7.0	Retest period	NA				

Particulars	PREPARED BY REVIEWED BY		APPROVED BY
Name	C.K.SARAVANAN	K.SARAVANAN	S.MARAN
Designation	Asst. Manager-QC	Dy. Manager-QC	AGM-QA
Signature	0	15 COOL	for the
Date	18 08 2025	1910812025	20/08/2025



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Supersedes	NIL	<b>Effective Date</b>	20/08/2021	Page No.: 2 of 4

S.NO	TEST (s)	SPECIFICATION (s)
1.0	Description	5 Ply corrugated shipper with vertical corrugation having upward direction arrow, GENERIC HEALTHCARE PVT. LTD., INDIA and GHPL logo. Text matter shall be printed in Pantone Black C and pantone 422 C on natural kraft paper. It should comply with the approved standard design.
2.0	Dimensions:	
	Length	390±5.0mm (385 to 395 mm)
	Breadth	345±5.0mm (340 to 350 mm)
	Height	395±5.0mm (390 to 400 mm)
3.0	Total Grammage:	
	Outside Linear kraft	180 g/sq.m ± 5% (171.0 – 189.0 g/sq.m)
	Flute 1	180 g/sq.m ± 5% (171.0 - 189.0 g/sq.m)
	Middle Linear kraft	180 g/sq.m ± 5% (171.0 – 189.0 g/sq.m)
	Flute 2	180 g/sq.m ± 5% (171.0 – 189.0 g/sq.m)
	Inner Linear kraft	180 g/sq.m ± 5% (171.0 – 189.0 g/sq.m)

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Name of Material 390 x 345 x 395MM GHPL LITACOLD FLU PRINTED 5 PLY SHIPPER

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S.NO	TEST (s)	SPECIFICATION (s)		
4.0	Flute Percentage: Flute 1 Flute 2	Not less than 25.0% Not less than 25.0%		
5.0	Staples	Clean and free from rust copper pin to be applied in pairs. Pairs of staples shall be applied a approximate equal distance.		
6.0	Flaps	No gap or overlaps between two flaps.		
7.0	Moisture content	Not more than 10.0%		
8.0	Bursting Strength	Not less than 15.0 Kg/Cm <sup>2</sup>		
9.0	Printing Quality	Should comply		
10.0	Cleanliness check	Should be free from dirty, mutilated, torn or stained.		

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## **REVISION HISTORY:**

Specification No.	Reason for Review	Change control No.	Effective Date
SPEC-PTMT0027-00	New Specification prepared.	NA	20/08/2025

\*\* END OF THE DOCUMENT \*\*

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## STANDARD TESTING PROCEDURE

Name of Material	390 x 345 x 395MM GHPL LITACOLD FLU PRINTED 5 PLY SHIPPER			
STP No.	STP-PTMT0027-00	Revision No.	00	Item Code: PTMT0027
Supersedes	NIL	<b>Effective Date</b>	20/08/2025	Page No.: 1 of 4

## 1.0 DESCRIPTION:

5 Ply corrugated shipper with vertical corrugation having upward direction arrow, GENERIC HEALTHCARE PVT. LTD., INDIA and GHPL logo. Text matter shall be printed in Pantone Black C and pantone 422 C on natural kraft paper. It should comply with the approved standard design.

#### 2.0 DIMENSIONS:

## Length:

Measure the length of the shipper by using calibrated scale (in mm).

#### **Breadth:**

Measure the breadth of the shipper by using calibrated scale (in mm).

## Height:

Measure the Height of the shipper by using calibrated scale (in mm).

### 3.0 TOTAL GRAMMAGE:

Using calibrated scale mark 10 x 10cm cut the shipper and soak in water for 15 minutes, separate the layers and dry in hot air oven at  $105^{\circ}$  for 15 minutes. After drying weigh the each layer (W gms) and calculate the GSM for each layer using the following formula.

#### **CALCULATION:**

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## 4.0 | FLUTE PERCENTAGE:

After determination of GSM for each layer, weigh the flute 1 and flute 2 layer (W1 gm) and cut in  $10 \times 10$ cm and weigh (W2 gm). Calculate the flute 1 and flute 2 percentage using the following formula.

#### Calculation:

Where,

W1 - Weight of the flute before cutting.

W2 - Weight of the flute after cutting.

## 5.0 STAPLES:

Check the shipper is clean and free from rust copper pin to be applied in pairs. Pairs of staples shall be applied at approximate equal distance.

#### 6.0 FLAPS:

Check for gap or overlap between two flaps and report the observation.

#### 7.0 | MOISTURE CONTENT:

Using calibrated scale mark 10 x 10cm and weigh the shipper (W1 gm), cut into small pieces and dry in an oven at a temperature  $105^{\circ}$ C for 30 minutes. After drying, cool in desiccator and weigh the small pieces of shipper (W2 gm) and calculate the moisture content in percentage using the formula,

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## STANDARD TESTING PROCEDURE

Name of Material

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Calculation:

### 8.0 BURSTING STRENGTH:

Carry out this using a bursting strength apparatus. Check the bursting strength of the sample in three different places and find the average.

## 9.0 | PRINTING QUALITY:

Check the pasting Quality randomly.

#### 10.0 CLEANLINESS CHECK:

Check the cleanliness of the shipper. The test passes if the shipper is not dirty, mutilated, torn or stained.

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## **REVISION HISTORY:**

STP No.	Reason for Review	Change control No.	Effective Date
STP-PTMT0027-00	New STP prepared	NA	20/08/2025

\*\* END OF THE DOCUMENT \*\*

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