



CERTIFICATE OF ANALYSIS

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01 Certificate and Product Details

Certificate no.	1221014551	Certificate date	25.10.2022
Item code	BPS-VF-150-2210-D	Item name	BENZPACK VCI Film 150 Microns
Batch / lot no.	VF150-1022-D17	Batch quantity	5,040 KG
Standard size / gauge	150 Microns	Date of manufacturing	18 October 2022
Best before	17 October 2024	Date of test	24 October 2022
Customer name	Eastern Mobility OEM	Customer PO no.	EMO/22-23/PO372
Invoice no.	BPS/22-23/1673	Quantity shipped	4,740 KG
Specification ref.	BENZPACK VCI Film TDS Rev. 04	Customer item code	EMO-VCI150

Release statement: The material identified above has been sampled and evaluated against the approved BENZ product specification and released for dispatch where the reported results conform to the stated limits.

02 Inspection and Test Results

Test parameter	Protocol	Unit	Min. value	Max. value	Test value
Total GSM (Avg.)	BPS - QA - 02	SQM	NA	NA	139.0
Thickness, (Avg.)	BPS - QA - 32	MM	140	160	153
Ultimate Tensile Strength (MD)	BPS - QA - 23	N/mm2 (MD)	28	30	29.0
Ultimate Tensile Strength (TD)	BPS - QA - 23	N/mm2 (TD)	32	35	33.7
WVTR	BPS - QA - 45	Grm /SQM/24 Hrs	1.0	1.8	1.5
Heat Seal Strength	BPS - QA - 18	grms / 10 mm	1700	1880	1828
VCI Concentration	BPS - QA - 03	Percentage	10	NA	10.3
Dart Drop (VCI Film)	BPS - QA - 76	550 gm min	550	625	595
Condensation Test	BPS - QA - 48	DVI 514	Pass	NA	Pass
German VIA Test	BPS - QA - 49	TL 8135 - 0002	Pass	NA	Pass
American FED Test	BPS - QA - 50	FED-101C-4041	Pass	NA	Pass

VCI Razor Blade Test	BPS - QA - 74	ASTM G 31 - 72	Pass	NA	Pass
Part Protection Properties	BPS - QA - 53	TL 8135 - 0043	1 Year	2 Years	2 Years
Shelf Life	BPS - QA - 51	TL 8135 - 0002	2 Years	NA	2 Years
VCI Checking (Humidity C)	BPS - QA - 63	ASTM D 1748	Inner Face	NA	Inner Face

03 Confirmation and Shipping Data

Confirmation	We hereby confirm that the material under this certificate conforms to our manufacturing specification.
Status	YES conforms to our manufacturing specification
Deviation option	Does not conform, but accepted against approved deviation / validation, if specifically authorised.
TDS declaration	It is further confirmed that the product conforms to the current published technical data sheet and approved specification.

Shipping data

Customer name	Eastern Mobility OEM
Ship to name	Kolkata, West Bengal
Customer PO number	EMO/22-23/PO372
Customer item code	EMO-VCI150
Invoice no.	BPS/22-23/1673
Quantity shipped	4,740 KG

Certificate note: This COA is system generated by BENZ Packaging Solutions Pvt. Ltd. and is valid without signature, unless customer or regulatory requirements specify authorised sign-off.