



CERTIFICATE OF ANALYSIS

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01 Certificate and Product Details

Certificate no.	1231014622	Certificate date	24.10.2023
Item code	BPS-VF-150-2310-D	Item name	BENZPACK VCI Film 150 Microns
Batch / lot no.	VF150-1023-D19	Batch quantity	5,160 KG
Standard size / gauge	150 Microns	Date of manufacturing	17 October 2023
Best before	16 October 2025	Date of test	23 October 2023
Customer name	Southern Components OEM	Customer PO no.	SCO/23-24/PO391
Invoice no.	BPS/23-24/1714	Quantity shipped	4,860 KG
Specification ref.	BENZPACK VCI Film TDS Rev. 04	Customer item code	SCO-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	139.3
Thickness, (Avg.)	BPS - QA - 32	MM	140	160	154
Ultimate Tensile Strength (MD)	BPS - QA - 23	N/mm2 (MD)	28	30	29.1
Ultimate Tensile Strength (TD)	BPS - QA - 23	N/mm2 (TD)	32	35	33.9
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	1831
VCI Concentration	BPS - QA - 03	Percentage	10	NA	10.3
Dart Drop (VCI Film)	BPS - QA - 76	550 gm min	550	625	598
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	Southern Components OEM
Ship to name	Coimbatore, Tamil Nadu
Customer PO number	SCO/23-24/PO391
Customer item code	SCO-VCI150
Invoice no.	BPS/23-24/1714
Quantity shipped	4,860 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.