



CERTIFICATE OF ANALYSIS

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01 Certificate and Product Details

Certificate no.	1211008714	Certificate date	23.10.2021
Item code	BPS-VP-90PE-2110-D	Item name	BENZPACK VCI Paper 90 PE
Batch / lot no.	VP90PE-1021-D05	Batch quantity	4,760 KG
Standard size / gauge	90 PE	Date of manufacturing	16 October 2021
Best before	15 October 2023	Date of test	22 October 2021
Customer name	Eastern Heavy Engineering OEM	Customer PO no.	EHE/2110/PO-303
Invoice no.	BPS/21-22/1662	Quantity shipped	4,430 KG
Specification ref.	BENZPACK VCI Paper TDS Rev. 03	Customer item code	EHE-VP90PE

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	g/m2	85	95	89.6
Tensile Strength (MD)	BPS-QA-23	kN/m (MD)	2.66	4.50	3.04
Tensile Strength (TD)	BPS-QA-23	kN/m (TD)	1.00	2.50	1.33
Breaking Length (MD)	BPS-QA-81	km (MD)	3.00	5.00	3.39
Breaking Length (TD)	BPS-QA-81	km (TD)	1.10	2.30	1.36
Elongation (MD)	BPS-QA-23	% (MD)	0.8	1.5	1.1
Elongation (TD)	BPS-QA-23	% (TD)	1.5	3.0	2.0
Bursting Pressure	BPS-QA-82	kPa	250	400	277
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 G31-72	Pass	NA	Pass
Part Protection Properties	BPS-QA-53	Years	1 Year	5 Years	5 Years
Shelf Life	BPS-QA-51	Years	5 Years	NA	5 Years
VCI Checking (Humidity C)	BPS-QA-63	ASTM D1748	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 Heavy Engineering OEM
Ship to name	Adityapur, Jharkhand
Customer PO number	EHE/2110/PO-303
Customer item code	EHE-VP90PE
Invoice no.	BPS/21-22/1662
Quantity shipped	4,430 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.