



# CERTIFICATE OF ANALYSIS

|                                      |                     |                                      |                     |
|--------------------------------------|---------------------|--------------------------------------|---------------------|
| <b>FORMAT ID:</b><br>BPS-FMT-COA-003 | <b>REVISION:</b> 00 | <b>EFFECTIVE DATE:</b><br>19.07.2024 | <b>PAGE:</b> 1 of 2 |
|--------------------------------------|---------------------|--------------------------------------|---------------------|

## 01 Certificate and Product Details

|                              |                                |                              |                          |
|------------------------------|--------------------------------|------------------------------|--------------------------|
| <b>Certificate no.</b>       | 1240707764                     | <b>Certificate date</b>      | 19.07.2024               |
| <b>Item code</b>             | BPS-VP-90PE-2407-C             | <b>Item name</b>             | BENZPACK VCI Paper 90 PE |
| <b>Batch / lot no.</b>       | VP90PE-0724-C12                | <b>Batch quantity</b>        | 4,540 KG                 |
| <b>Standard size / gauge</b> | 90 PE                          | <b>Date of manufacturing</b> | 12 July 2024             |
| <b>Best before</b>           | 11 July 2026                   | <b>Date of test</b>          | 18 July 2024             |
| <b>Customer name</b>         | Southern Precision Assemblies  | <b>Customer PO no.</b>       | SPA/2407/PO-196          |
| <b>Invoice no.</b>           | BPS/24-25/1275                 | <b>Quantity shipped</b>      | 4,210 KG                 |
| <b>Specification ref.</b>    | BENZPACK VCI Paper TDS Rev. 03 | <b>Customer item code</b>    | SPA-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         | 89.8       |
| Tensile Strength (MD) | BPS-QA-23 | kN/m (MD)     | 2.66       | 4.50       | 3.06       |
| 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

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

### Shipping data

|                           |                               |
|---------------------------|-------------------------------|
| <b>Customer name</b>      | Southern Precision Assemblies |
| <b>Ship to name</b>       | Sriperumbudur, Tamil Nadu     |
| <b>Customer PO number</b> | SPA/2407/PO-196               |
| <b>Customer item code</b> | SPA-VP90PE                    |
| <b>Invoice no.</b>        | BPS/24-25/1275                |
| <b>Quantity shipped</b>   | 4,210 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.*