



CERTIFICATE OF ANALYSIS

FORMAT ID: BPS-FMT-COA-003	REVISION: 00	EFFECTIVE DATE: 18.01.2024	PAGE: 1 of 2
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01 Certificate and Product Details

Certificate no.	1240109634	Certificate date	18.01.2024
Item code	BPS-BDU-1KG-2401-A	Item name	BENZPACK BEDRY ULTRA Container Desiccant 1 Kg
Batch / lot no.	BDU1K-0124-A04	Batch quantity	3,280 UNITS
Standard size / gauge	1 Kg Unit	Date of manufacturing	11 January 2024
Best before	10 January 2026	Date of test	17 January 2024
Customer name	Northern Industrial OEM	Customer PO no.	NIO/2401/PO-118
Invoice no.	BPS/24-25/0348	Quantity shipped	2,940 UNITS
Specification ref.	BENZPACK BEDRY ULTRA TDS Rev. 01	Customer item code	NIO-BDU1K

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
Net Unit Weight (Avg.)	BPS-QA-83	g	970	1030	999
Calcium Chloride Purity	BPS-QA-95	%	90	100	93.9
Bulk Density	BPS-QA-96	kg/m3	500	800	631
Moisture Absorption - 15 Days	BPS-QA-88	% w/w	90	110	96
Moisture Absorption - 30 Days	BPS-QA-88	% w/w	140	170	150
Moisture Absorption - 45 Days	BPS-QA-88	% w/w	200	235	212
Long-Term Moisture Absorption	BPS-QA-88	% w/w	250	300	262
Gel Formation Test	BPS-QA-97	Visual	Conforms	NA	Conforms
Gel Retention Test	BPS-QA-89	Pass / Fail	Pass	NA	Pass
Leakage Test	BPS-QA-90	Pass / Fail	Pass	NA	Pass

Sachet / Unit Integrity	BPS-QA-91	Pass / Fail	Pass	NA	Pass
Vapour Permeability Check	BPS-QA-93	Pass / Fail	Pass	NA	Pass
Appearance / Physical Condition	BPS-QA-94	Visual	Conforms	NA	Conforms
Shelf Life	BPS-QA-51	Months	24	NA	24 Months

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	Northern Industrial OEM
Ship to name	Neemrana, Rajasthan
Customer PO number	NIO/2401/PO-118
Customer item code	NIO-BDU1K
Invoice no.	BPS/24-25/0348
Quantity shipped	2,940 UNITS

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.