

GERMAN CUSTOMS LABORATORY
LABORATORY EXAMINATION REPORT

REPORT NO.
GCL-HH-26-06147
FINAL • 30 JUNE 2026

1. REQUEST AND CASE IDENTIFICATION

Requesting office	Bremerhaven Customs Office	Customs reference	MRN 26DE002452ECOB00001X
Requesting officer	Customs Investigator Jane Doe	Request date	24 June 2026
Consignment	EcoBear teddy bears	Examined model	TB-2023
Exporter / consignee	GreenJoy Manufacturing Co., Ltd. / EcoPlay Toys GmbH	Invoice / quantity	GJ-2026-031 / 6,000 units

2. SAMPLES AND SCOPE OF EXAMINATION

Following a physical inspection in which officers recorded a strong chemical odour on opening the container, the laboratory received sealed samples of the teddy bear. The examination was requested to verify the declared cotton composition and screen for a relevant volatile restricted substance.

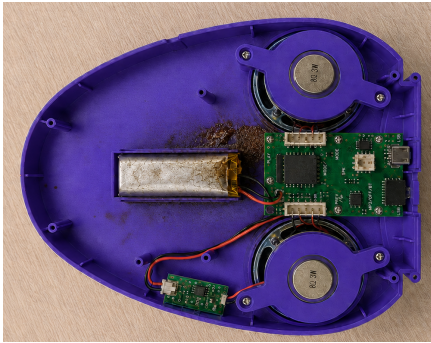
3. METHODS AND ANALYTICAL RESULTS

Item	Sample	Method	Result	Declared / limit	Assessment
1	Outer plush fabric	Microscopy + FTIR	100% polyester; no cotton fibres detected	Declared: 100% cotton	NOT CONSISTENT
2	Internal stuffing	Microscopy + FTIR	100% polyester fibre fill; no cotton detected	Declared: cotton filling	NOT CONSISTENT
3	Outer fabric	EN ISO 14184-1	Formaldehyde: 135 mg/kg	Limit: 30 mg/kg	FAIL – 4.5× limit
4	Internal stuffing	EN ISO 14184-1	Formaldehyde: 92 mg/kg	Limit: 30 mg/kg	FAIL – 3.1× limit

Analytical note: FTIR spectra were consistent with polyethylene terephthalate (PET). The formaldehyde assessment uses the 30 mg/kg limit applicable in this training scenario to polymeric toy material for a toy intended for children under 36 months.

Incidental physical observation

During access to the battery compartment for disassembly, brown residue, staining and corrosion were observed on the battery surface, wiring and compartment contacts, suggesting possible electrolyte leakage.



4. FINDINGS AND CONCLUSION

NON-COMPLIANT LABORATORY FINDING

- The outer covering and internal filling are polyester, not cotton as declared in the product documentation.
- Formaldehyde was detected above the applicable limit in both textile samples.
- The elevated formaldehyde results are consistent with the inspection concern arising from the strong chemical odour; however, odour alone is not an analytical identification.
- Visible residue and corrosion were observed around the rechargeable battery compartment. The battery was isolated and referred for specialist electrical and battery-safety examination.

Customs action recommended: Maintain suspension of release and transmit the report to the competent market-surveillance authority for risk assessment and regulatory action.

Anna Keller
Dr. Anna Keller

Senior Government Chemist
Textile & Polymer Analysis

Markus Vogel
Dr. Markus Vogel

Head of Laboratory
German Customs Laboratory – Hamburg