

NATIONAL RESOURCES

The Packaging Edition!

Global
Sourcing for
Local
Manufacturing

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New at National Resources

Redefining Pharmaceutical Packaging: LOG's Circular Economy Vision

In our August newsletter, we were excited to announce our new partnership with LOG Pharma. LOG specialises in creating and manufacturing high-performance barrier packaging that safeguards both innovative and generic medications from moisture and oxygen, thereby ensuring an extended shelf life. With over 50 years of expertise in primary pharmaceutical packaging, LOG Pharma Packaging is leading the charge toward sustainable innovation - setting new benchmarks for environmental responsibility in a sector traditionally reliant on plastic-based materials.

LOG's sustainability strategy is rooted in circular economy principles, with a focus on:

- Eco-conscious product design that minimises waste and maximises recyclability
- Responsible manufacturing practices that reduce resource consumption
- Stakeholder collaboration to drive systemic change across the value chain.



LOG is advancing two ambitious and important goals being;

- Achieving 100% recyclable pharmaceutical packaging by 2035 and,
- Net zero carbon emissions across operations and products by 2035.

LOG Pharma continues to assess supply chain impacts and explore new opportunities for sustainable leadership. From barrier technologies to smart packaging solutions, the company is investing in scalable innovations that meet regulatory demands and environmental expectations. [Contact us](#) for more information about how LOG Pharma products can work for your business.



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LOG PHARMA SOLVES COMPLEX STABILITY CHALLENGE FOR HIGHLY SENSITIVE TABLET FORMULATION



The LOG Pharma team has recently successfully worked to address a critical stability issue for a pharmaceutical company in India, whose new oral tablet formulation was failing long-term stability tests due to extreme sensitivity to moisture and oxygen.

The formulation's hygroscopic nature and oxygen sensitivity posed significant hurdles. Initial packaging attempts using standard 60mL HDPE bottles required excessive active component - up to 6 grams of desiccant and 200 cc of oxygen scavenger - resulting in high costs and inefficient packaging.

LOG proposed its advanced 150mL MultiBlock barrier bottle, designed to deliver:

- 100 x lower oxygen transmission rate (OTR) than standard HDPE
- 4 x lower moisture vapor transmission rate (MVTR).

This multilayer bottle provided a passive barrier solution, dramatically reducing the need for active stabilisers. By switching to LOG's MultiBlock packaging, the customer achieved formulation stability using just 1 gram of desiccant and 20cc of oxygen scavenger.

The solution met all regulatory stability criteria and enabled the product's successful commercial launch using the MultiBlock bottle as its primary packaging. This customer success underscores LOG's commitment to solving complex pharmaceutical packaging challenges with innovative, efficient and sustainable solutions. [Contact us](#) to find out more about the MultiBlock solution.



CPHI 2025 FRANKFURT

Just a note that some of key global partners including Constantia Flexibles, Perlen Packaging (LOG Pharma) and Datwyler will be exhibiting at CPHI 2025, being held in Frankfurt from October 25 - 30. CPHI is the global pharmaceutical trade event, showcasing new products and solutions for the industry. If you're attending, please stop by to connect with our partners.

AIP PARTNERSHIP & EVENTS

PROUD PARTNER



Australasian Institute
of Packaging

To find out more about key industry events, both domestically and internationally, take a quick look at the event calendar from AIP. The calendar provides detailed information on a wide array of events, ensuring you stay informed and connected with the latest happenings in the packaging industry, whether you're interested in conferences, seminars or trade shows.

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