

# StabilOx<sup>®</sup>

## Specialty Oxygen Scavenger

### Advantages

- Eliminates or significantly reduces oxygen to decrease the rate of oxidative degradation in pharmaceutical products
- Manages headspace humidity (ERH) and drug product free moisture to reduce the rate of all chemical pathways of degradation
- Packet, Canister, and Label provide exceptional flexibility for any packaging operation
- Adaptable to almost any high-speed dispensing equipment
- All formats supported by Type III Drug Master File

### Packaging Presentations

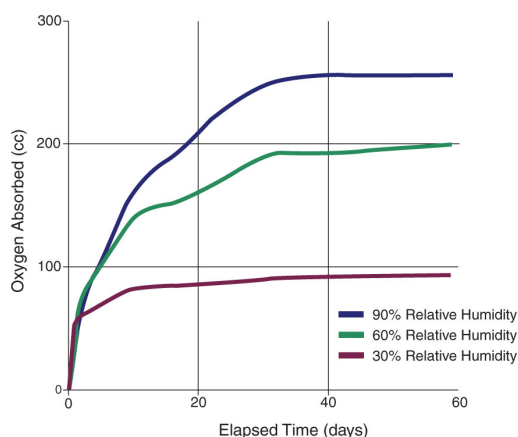
- Pharmaceutical Tablets, Capsules and Caplets in HDPE and Glass Bottles
- Pharmaceutical Tablets, Capsules, and Caplets, in Blister Packs
- Pharmaceutical Metered Dose Inhalers
- Pharmaceutical Dry Powdered Inhalers
- In-Process Storage of Pharmaceutical Tablets, Capsules and Caplets
- Bulk Ingredient Packaging (API, Bulk Pharmaceutical Chemicals)
- Medical Devices
- Diagnostics
- In-Vitro Diagnostics
- Vitamin & Dietary Supplements

### StabilOx<sup>®</sup> Eliminates Oxygen for Better Product Stability

Achieving stability in pharmaceutical formulations or medical devices requires a difficult balance between increasingly complex variables. Success is a vital prerequisite to a new drug reaching the marketplace. StabilOx helps achieve this without toxic packaging components or expensive drug product formulation changes. StabilOx oxygen absorbers provide a simple solution that resides inside the packaging instead of the drug product.

StabilOx effectively reduces package headspace oxygen levels, while managing headspace moisture and drug product free moisture, to reduce or eliminate oxidative degradation. StabilOx accomplishes oxygen absorption while managing the drug product free moisture levels and related molecular mobility associated with most chemical degradation pathways.

StabilOx is offered in a variety of formats and sizes to fit your needs. At Multisorb, we support your packaging and formulation teams to ensure that you get the right StabilOx product for your needs.



### StabilOx Delivers a Level of Protection Not Available with Standard Oxygen Scavengers

Traditional inorganic oxygen absorbers rely on the irreversible oxidation of the scavenger. Since the reaction requires moisture, the moisture must be provided in the scavenger itself, the product or from the package environment.

StabilOx provides its own moisture to initialize the oxygen removal process from the package. It then relies on package moisture ingress for continued oxygen absorption while establishing an optimal Equilibrium Relative Humidity in the package headspace. This is critical in retaining drug performance, stability and integrity.

Ask us how StabilOx can help you solve oxygen and moisture problems.



# StabilOx®

## Specialty Oxygen Scavenger

### Format Choices Offer Flexibility

- StabilOx® Specialty Oxygen Absorbers are manufactured in a variety of formats to support many different packaging operations.
- StabilOx Packets offer a rugged, easily-automated product that supports a wide-range of applications and provide nearly seven times the oxygen absorption capacity of competitive packets.
- StabilOx Labels are recommended whenever you need a low profile, or affixed absorber.
- StabilOx Canisters are fully compatible with high-speed packaging lines and provide nearly seven times the oxygen absorption capacity of competitive canisters.

### Today's Packaging Demands the Best Oxygen and Moisture Management

Today's drug formulations and innovative packaging choices offer myriad opportunities to attract consumers. At the same time, new packaging challenges create uncertainty.

StabilOx is a unique product that manages moisture and oxygen inside your package to respond to ever-changing conditions within the packaged environment. This ensures drug stability, as well as performance, and often allows for longer-than-anticipated product shelf life, increasing product quality and revenues

*Whatever your packaging needs, Multisorb has a StabilOx scavenger in a format that meets the requirement.*



*StabilOx® can be produced in a variety of delivery formats including packets, adhesive labels, or canisters .*



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www.multisorb.com

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