

PharmaKeep®



PharmaKeep®

Humidity Neutral Oxygen Scavengers

PharmaKeep® is an innovative line of polymer-based oxygen scavenging capsules and packets developed and distributed jointly by Colorcon (formerly Airnov) and Mitsubishi Gas Chemical Company, Inc. (MGC).

These oxygen scavengers support shelf life and help maintain the efficacy of pharmaceutical and nutraceutical products by protecting against oxygen degradation and oxidative reactions.

Humidity neutral: PharmaKeep is humidity neutral, absorbing oxygen at either low or high relative humidity levels and can be used in conjunction with a desiccant. Compared to iron based oxygen scavengers, PharmaKeep will not release moisture to the drug product.

High speed insertion: Due to their rigidity, Pharma Keep capsules can be used on highspeed insertion machine, typically feeding 300 to 600 capsules per minute. Packets can also be automated by using roll form packets.

Full protection: PharmaKeep can be paired with OXYNOV® oxygen barrier bottles for an efficient protective package solution.

Degradation avoidance: With PharmaKeep, the chemical and physical degradation of drug products can be mitigated, sometimes visible in extreme color change, especially with uncoated tablets.



Tablets Packaged with PharmaKeep®



Tablets Packaged without PharmaKeep®

Oxidative degradation, as well as moisture, is a major pathway for degradation of pharmaceuticals, probiotics and other healthcare products during production, isolation processes and storage.

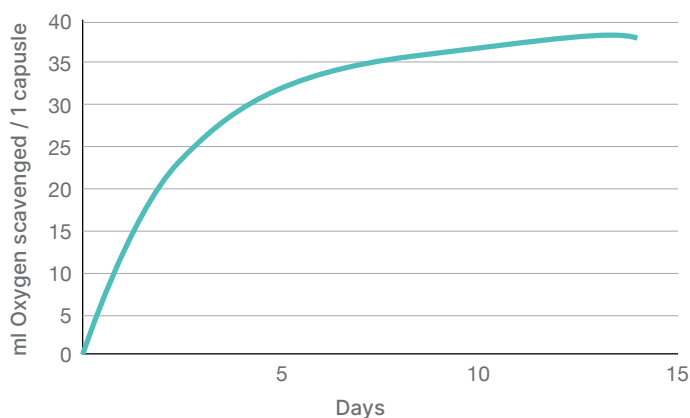
Various configurations of PharmaKeep capsules and packets are available to meet different packaging needs.

Pharma Keep capsules (CD) and PharmaKeep packets {KD) have equivalent absorbing function and perform as 2-in-1 moisture and oxygen absorbing products.

Specified Performance of PharmaKeep products

(Evaluated at 25°C/ 75% RH, 7 days; refer to our measurement method of PharmaKeep performances)

- Capsule CD-1 G & Packet KD-10S: > 10 ml oxygen & >0.07 g moisture
- Capsule CD-2.15 G & Packet KD-20: >20 ml oxygen & >0.15 g moisture
- Packet KD-400: >400 ml oxygen & > 3 g moisture



Oxygen absorption capacity is specified at 20 ml of O₂ per CD-2. 15g at day 7.

PharmaKeep oxygen scavengers are available in capsule and packet configuration.

PharmaKeep capsules and packets comply with US FDA & EU regulations for use in pharmaceutical and diagnostic applications and are registered in a US-FDA Drug Master File.



Regulatory compliance may vary depending on the country and end-use application, please contact your Colorcon representative for more information.

Contact your Colorcon representative or call:

North America
+1-215-699-7733

Europe/Middle East/Africa
+44-(0)-1322-293000

Latin America
+54-11-5556-7700

India
+91-832-6727373

China
+86-21-61982300

colorcon.com

