



SANNER

Protecting Health.

AdCap® AC/SG desiccant capsules with activated carbon & silica gel

Performance Sheet

Odor management and moisture protection at its best

AdCap® desiccant capsules with silica gel or molecular sieve are drop-in solutions and are well known in the pharmaceutical industry to protect moisture sensitive drugs against the loss of efficacy.

Furthermore residual solvents and organic impurities can lead to bad odors when opening a pharmaceutical packaging, even if the amount is below the permissible level.

AdCap® with activated carbon / silica gel blend successfully reduces unpleasant or foul odors inside pharmaceutical packaging and protects drugs against moisture.



Available capsule configurations for Pharmaceutical and Nutraceutical bottle packaging.

Standard colors: translucent or blue

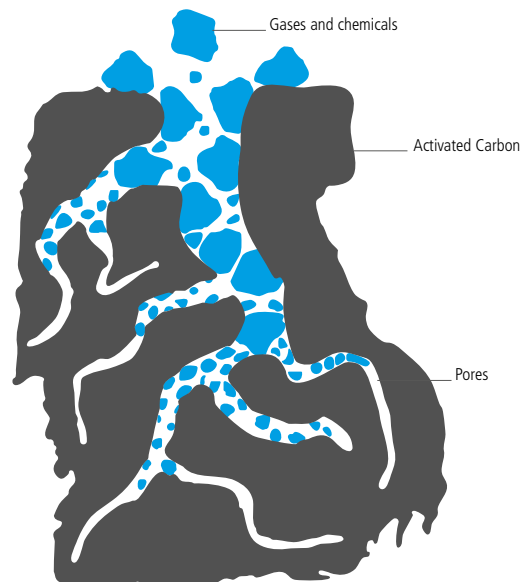
Silica gel (SG)	Molecular sieve (MS)	50 % SG / 50 % MS blend	40 % AC / 60 % SG blend
1g	1g		1g
2g	2g	2g	2g
3g	3g		

AdCap® AC/SG – „Clean up“ the air in a pharmaceutical packaging

AdCap® AC/SG contains a virgin activated carbon granule made of coconut char, which is produced in a high temperature activation process under stringent quality specifications.

Activated carbon's large surface area and porous network provide numerous surfaces which seek out other molecules with which they can bond.

- Highly microporous and high surface area
- Ideal for removal of organic contaminants from gas streams
- Highly effective for removal of trace level organics
- Highly effective for removing chlorine
- Reduced ash and enhanced purity
- Excellent mechanical hardness



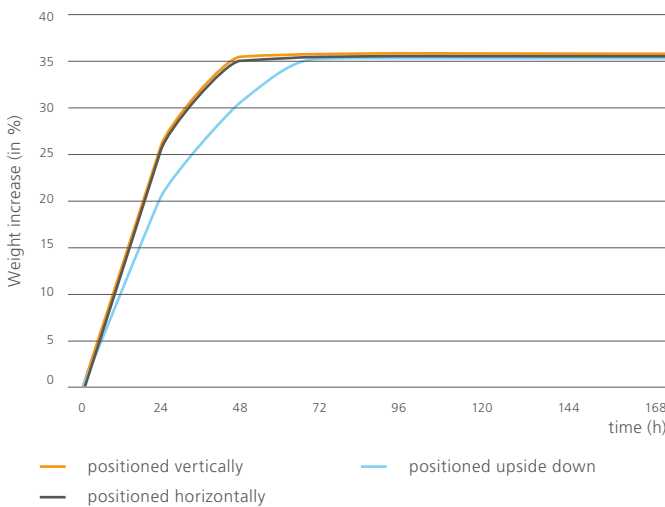
Activated Carbon adsorbs gases and chemicals

AdCap® AC/SG – excellent moisture and odor adsorption for effective 360° protection

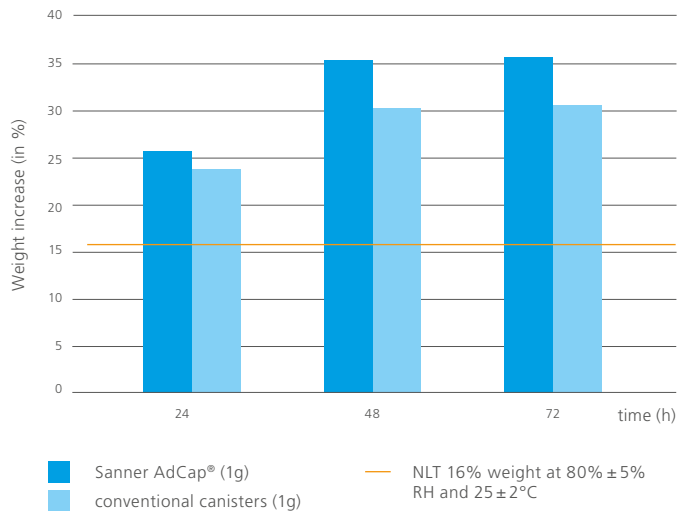
The unique design of AdCap® AC/SG with its grid structure in the side-walls and the cardboard disk on the top enables reliable 360° moisture adsorption of NLT 16% acc. to USP requirement 670 – wherever it is located in the container and even when turned up-side down.

AdCap® provides a higher moisture adsorption capacity compared to conventional canisters with activated carbon/silica gel.

Moisture adsorption capacity of AdCap® AC/SG 1g in different positions inside the packaging



Moisture adsorption capacity of AdCap® AC/SG 1g in comparison with conventional canisters



AdCap® AC/SG – designed for high-speed & trouble free insertion

Continuous insertion speed of between 300 and 600 pieces per minute thanks to the cylindrical and smooth shape of AdCap®. Trouble free insertion due to no welded ends or snaps.

Applicable for all common dispensing equipment. Dimensions of AdCap® AC/SG are equivalent to industry-leading products.

AdCap® AC/SG – improved patient safety

AdCap® AC/SG helps to reduce the risk of unintentional ingestion thanks to its unique grid structure.

Blue colored AdCap® helps to differentiate the desiccant capsule from the drug.

'Do Not Eat' appears in combination with pictogram.

Printing of desiccant type and weight on the cardboard ensures an easy identification and improves readability.

All materials of AdCap® comply with the relevant regulations of the FDA 21 CFR and the European Union or FCC (relevant for activated carbon). AdCap® is listed in a Drug Master File (DMF No. 25757) at the FDA.

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Samples & Material Safety Data Sheets informing about necessary safety precautions when handling or storing Sanner products are available upon request.

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