

Desiccant sachets

ES Basic Dry

Date: 09/2026

REVISION: 07

Product



Product description

ES Basic Dry are sachets filled with calcined and impregnated granules of natural clay. Thanks to thermal treatment and chemical impregnation the granulate takes up a large amount of water over a long period, keeping humidity at the right level and protecting the goods it is packed with. The sachet fill and the sachet material are non-toxic and odourless.

Product features / advantages

- takes up a large amount of moisture,
- keeps moisture at a constant level,
- absorbs small amounts of odours,
- does not swell when saturated with water,
- approved for direct contact with food, confirmed by our declaration of conformity and the PZH hygiene certificate,
- dustproof and durable envelope made of HDPE nonwoven.

Product application

- securing goods in land and sea transport,
- removal of moisture from food and pharmaceutical packaging,
- protection against moisture of devices and products during their operation,
- absorbing moisture in closed rooms or cars.

Physical and chemical parameters

Parameter	Value
Raw material	Active mineral clay
Material form	Calcined granulate
Chemical composition	Natural clay and calcium chloride
Water uptake capacity (T = 25 °C)	RH = 20% ; ≤ 21,0% RH = 40% ; ≤ 32,0% RH = 90% ; ≤ 100,0%
HS code	25084000
Available unit sizes	1, 2, 5, 10, 25, 60, 100, 250 and 500 g
Shelf life	2 years in unopened collective packaging
Storage conditions	5-30 °C, dry room
Granulate colour	light beige (cream-grey)

Product designation

ES Basic Dry desiccant sachets are designed to remove moisture from their surroundings. The sachet fill binds water vapour from the air and holds it inside the sachet.

Product storage

Before use, store in a closed collective bag, in a dry room at 5-30 °C. Once the collective bag has been opened, keep any unused sachets in an airtight container.



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Tworzymy technologię dla Twoich potrzeb

Product packing

Sachet packaging

The sachet is heat-sealed from two materials: the back side is a breathable HDPE nonwoven, the front side a PET/PE laminate. The materials are dust-tight and approved for food contact. The sachets can also be used in the packaging of pharmaceutical products.

Collective packaging

Sachets are packed in collective bags made of plastic film, which limit the exposure of the sachets to moisture during transport and storage.

Outer packaging

Collective bags are packed into transport cartons.

Norms / Standards / Approvals

Compliance with legislation

ES Basic Dry sachets meet the requirements of:

- Regulation (EC) No 1907/2006 (REACH): free from dimethyl fumarate, entry 61 of Annex XVII,
- Directive 2011/65/EU (RoHS): heavy metals below the limits of quantification,
- Regulation (EC) No 1935/2004: materials intended for food contact.

Food contact

ES Basic Dry sachets may be used in direct contact with dry and dehydrated food, on both sides of the sachet. We issue our own declaration of conformity, based on migration testing of the complete sachet and supported by hygiene certificate No F.FB.60412.218.2025 of the National Institute of Public Health PZH. The declaration is available on request.

All information presented in this document is based on our current knowledge and is believed to be accurate and reliable, however, it does not constitute a guarantee or liability on the part of ABC-Z System EKO s.c. All details regarding applicability do not relieve the buyer from the obligation to determine the suitability of the product for a particular application. The application, use and processing of the material cannot be controlled by the seller, therefore the user is solely responsible. It is the user's responsibility to comply with all applicable laws and to ensure a safe working environment. This document is a translation of the Polish original. In case of any discrepancy, the Polish version prevails.

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