



OUR MISSION

Founded in 2001, WiseSorbent has been an innovator in sorbent technology for over 22 years. Focusing on moisture-proof and humidity control solutions, we are driven by innovation and supported by strong technology, working hard to provide the best products and services to the pharmaceutical, healthcare, diagnostic reagent, food, industrial, and container shipping industries.

Our mission is to protect your products from moisture damage. There are five production bases located in the north, east, and south of China, one branch in the United States with production capacity, and multiple warehouses around the world. Our production is strictly following ISO15378, ISO9001, US FDA DMF, and other quality management systems. We always focus on developing client satisfaction by providing fast delivery and high-quality products.

WiseSorbent pays close attention to the Global Sustainable Development Strategy (ESG) of the United Nations. We believe a better and healthier life can be achieved through innovation and excellent service.

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FOOD DESICCANT

WISEFRESH



WiseFresh® Clay Desiccant



Premium quality natural montmorillonite with constant physical and chemical characteristics



Higher moisture absorption capacity than silica gel in low humidity



Premium quality packaging material, maintaining breathability and dust-free



Raw materials are natural, non-toxic, and environmentally friendly



Clay desiccant utilize natural montmorillonite as raw material. Montmorillonite has stable chemical and physical characteristics and is non-toxic and non-hazardous. Its moisture absorption capacity is stronger than silica gel desiccant in low humidity. This is a natural and safe desiccant with premium quality. Therefore, it is widely applied in food that needs to keep dry and fresh. (Tea, dried vegetables, fruits, spices, puffed food, etc.)

CLAY DESICCANT



3g



5g



10g

WISEFRESH® CLAY DESICCANT STANDARD

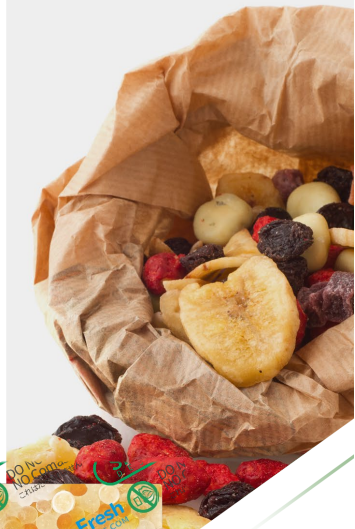
ITEM	STANDARD
Loss on Drying	≤ 2.0%
Moisture Absorption Capacity (77°F/23°C, RH=40%)	≥ 17.0%

WISEFRESH® CLAY DESICCANT SPECIFICATION

Spec	Product Code	W*L (mm\in)	Packaging Quantity
3g	3MTNP001A	50*45\1.97*1.77	2500/5 gal tin
5g	3MTNP002A	45*70\1.77*2.76	1500/5 gal tin
10g	3MTNP003A	60*70\2.36*2.76	750/5 gal tin

FOOD DESICCANT

WISEFRESH



WiseFresh® Silica Gel Desiccant



Utilize premium quality indicating silica gel, color changes from orange to green after absorbing moisture, non-toxic, non-hazardous, and safe to use



Visible change is convenient for confirming the saturation of moisture absorption to check product quality



Perforated OPP Strong seal strength, good oil resistivity



Strict manufacturing process control ensures constant quality

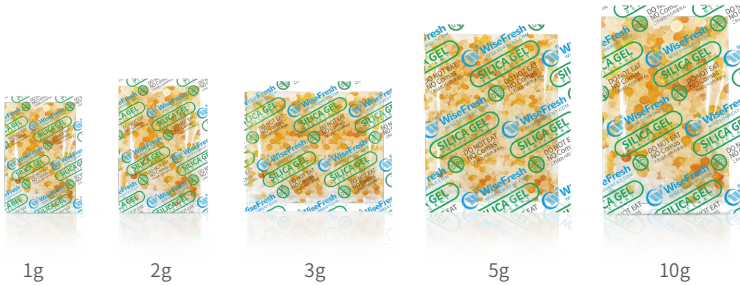


Professional advice on dosage, customized freshness retaining solution



SILICA GEL DESICCANT

OPP-packed indicating silica gel desiccant utilizes premium quality silica gel raw material which has constant chemical and physical characteristics, it is non-toxic and non-hazardous. Visible change is convenient for confirming the saturation of moisture absorption to check product quality. The packaging material is porous OPP which has strong seal strength and good oil resistivity. This type of desiccant can be used in all types of seaweed, cookies, nuts, dried vegetables and fruits, spices, puffed food, and more.



WISEFRESH® SILICA GEL DESICCANT STANDARD

ITEM		STANDARD
Loss on Drying		≤ 3.0%
Moisture Absorption Capacity (77 °F /25°C)	RH = 20%	≥ 9.5%
	RH = 50%	≥ 22.0%
	RH = 90%	≥ 34.0%

WISEFRESH® SILICA GEL DESICCANT SPECIFICATION

* Container: 

Spec	Product Code	W*L (mm\in)	Packaging Quantity
1g	30SGPL001A	30*45 / 1.18*1.77	5000/5 gal tin
2g	30SGPL002A	40*45 / 1.57*1.77	3000/5 gal tin
3g	30SGPL003A	50*45 / 1.97*1.77	2500/5 gal tin
5g	30SGPL004A	45*70 / 1.77*2.76	1500/5 gal tin
10g	30SGPL005A	60*70 / 2.36*2.76	750/5 gal tin

FOOD DESICCANT

WISEFRESH



WiseFresh® Fiber Desiccant



FDA approved, food-grade calcium chloride as absorption material



Absorption capacity is greater than 50%



The absorption capacity of 10cm² (1.55 in²) fiber desiccant is equivalent to 1g silica gel desiccant under 77.° F/25° C, RH90%



Customizable to fit various shapes and packaging



Thin and convenient, saving the inner space of the package



FIBER DESICCANT

WiseFresh® Fiber desiccant utilizes natural plant fiber and food-grade calcium chloride material which both meet FDA. It has a strong moisture absorption capacity: under 77 ° F/25 ° C, RH90%, it can absorb more than 50% moisture of its weight, 10cm2 (1.55 in2) fiber desiccant is equivalent to 1g silica gel desiccant. It can be cut into all shapes and sizes: rectangles, squares, circles, etc. to fit into different modes as you need, which is easy to use and saves packaging space. Fiber desiccant can use for food such as nuts and food needs regular-shaped desiccant which is easy to pack.



20*30



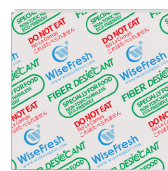
40*40



50*50



60*60



85*85

WISEFRESH® FIBER DESICCANT SHEET STANDARD

ITEM		STANDARD
Weight		600±30g / m ²
Loss on Drying (120°C)		≤ 8.0%
Moisture Absorption Capacity (77 °F /25°C)	RH = 20%	≥ 9.0%
	RH = 50%	≥ 20.0%
	RH = 90%	≥ 50.0%
Infiltration Test 25±2°C, RH=90±2°C		No liquid

WISEFRESH® FIBER DESICCANT SHEET SPECIFICATION

* Container:  Carton
SIZE: 110mm*160mm*100mm

Product Code	W*L (mm\in)	Packaging Quantity
5CCPL001A	20*30\0.79*1.18	24000/ctn
5CCPL002A	40*40\1.57*1.57	8000/ctn
5CCPL003A	50*50\1.97*1.97	6000/ctn
5CCPL004A	60*60\2.36*2.36	4000/ctn
5CCPL005A	85*85\3.35*3.35	2000/ctn

FOOD DESICCANT

WISEFRESH



WiseFresh® Ethylene Absorber



High-quality activated alumina and potassium permanganate raw materials absorb ethylene



Slows down the ripening process of fruits, flowers and vegetables, extends product shelf life, and keeps freshness



Breathable and waterproof packing material, not easy to break, safely contact food



Convenient and practical, it can be placed in the refrigerator and the place where products are stored



ETHYLENE ABSORBER

Ethylene is a gas that can affect the accelerated ripening of fruits, vegetables, flowers, and other products. Ethylene is also released during the growth of these products, which accelerates maturation and aging. WiseFresh® Ethylene Absorber, which main ingredients are activated alumina and potassium permanganate, can effectively absorb ethylene released from fruits, vegetables, flowers, and other products, slow down the ripening speed and keep the products fresh for a longer period. Waterproof and breathable materials are used as packaging materials to allow safe contact with products.



5g



10g



20g



30g

WISEFRESH® ETHYLENE ABSORBER STANDARD

ITEM	STANDARD
Ethylene Removal Quantity	≥ 6ml/g

WISEFRESH® ETHYLENE ABSORBER SPECIFICATION

* Container: 

Spec	Product Code	W*L (mm\in)	Packaging Quantity
5g	3ESTY001A	45*70 \ 1.77*2.76	1500/5 gal tin
10g	3ESTY002A	60*70 \ 2.36*2.76	750/5 gal tin
20g	3ESTY003A	60*110 \ 2.36*4.33	400/5 gal tin
30g	3ESTY004A	78*90 \ 3.07*3.54	300/5 gal tin

**FOOD DESICCANT
CONTROL**



Moiscon® Humidity control



62%, 75%, and 85% humidity control available



Using high-standard raw materials. The main ingredients are silica, salts, and water. Stable chemical properties, safe to use



Keep the container RH rate stable and protect the potency and freshness of products



Suitable for the freshness preservation of various products such as spices, brown sugar, coffee beans, cigars, etc.



Packed with kraft paper, packing material is environmentally friendly and biodegradable, safe and harmless



HIGH PERFORMANCE

Moiscon® Kraft paper Moisture Control Pack can effectively control the moisture inside the product packaging. The controllable range can be selected from 62%, 75% or 85% according to product requirements. Moisture Control Pack is made of high-quality raw materials and environmentally friendly recyclable kraft paper packaging, which is non-toxic and harmless. It is suitable for a variety of products that require controlled humidity and continuous freshness storage, such as cigars, spices, coffee beans, and other products.



8g



10g



60g



67g

MOISCON® HUMDITY CONTROL STANDARD

ITEM	STANDARD
Moisture Absorption Capacity (77 °F /25°C)	±5.0% nominal humidity control capacity
Balance Time	≤ 24h

MOISCON® HUMDITY CONTROL SPECIFICATION

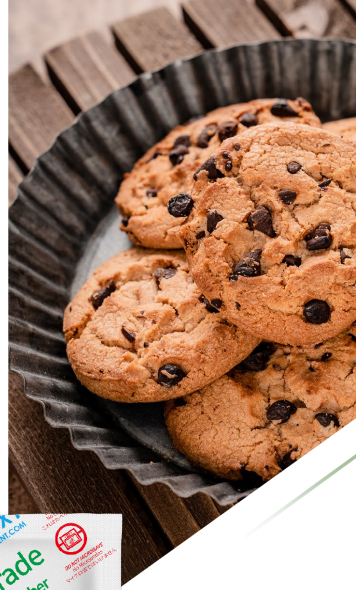


* Container:

Spec	Product Code	W*L (mm\in)	Packaging Quantity
8g	3MCKF001A	65*80 \ 2.56*3.15	700/5 gal Tin
10g	3MCKF002A	65*95 \ 2.56*3.74	550/5 gal Tin
60g	3MCKF003A	100*150 \ 3.94*5.91	800/34 gal Drum
67g	2MCKF004A	100*160 \ 3.94*6.3	750/34 gal Drum

FOOD DESICCANT

WISEOXY



WiseOxy® Oxygen Absorber



By utilizing three-layer packaging material, it is safe to come in direct contact with food. Provide professional freshness retaining solution and customized dosage suggestion.



Removes the oxygen effectively, It reduces the oxygen density to 0.1% or less within 24-48 hours.



Safe, non-toxic, and odorless.



Avoid any form of oil(s) in the package from oxidation and prevents the growth of aerobic bacteria.



OXYGEN ABSORBER

WiseOxy® Oxygen absorber utilizes iron powder as its main component. It removes the oxygen from within the food package when the iron powder is oxidized in the air. It can eliminate negative side-effects such as oxidation and reproduction of aerobic bacteria to ensure the quality of food and extend shelf life. The oxygen absorber is widely used in processed food products, such as pastry, bread, cake, nuts, popcorn, dried fruit food, dried vegetables, sausage, etc.



WISEOXY® OXYGEN ABSORBER STANDARD

ITEM	STANDARD
Nominated Oxygen Absorption Duration	≤ 48h
Maximum Oxygen Absorption Quantity	≥ 90ml

WISEOXY® OXYGEN ABSORBER SPECIFICATION

* Container:  SIZE: 11.75cm*7.0cm*10.0cm

Spec	Product Code	W*L (mm\in)	Packaging Quantity
1.3g	30XSR001A	30*45 \ 1.18*1.77	8000/5 gal tin
2.2g	30XSR002A	40*45 \ 1.57*1.77	4000/5 gal tin
3.8g	30XSR003A	45*60 \ 1.77*2.36	2400/5 gal tin
6g	30XSR004A	45*70 \ 1.77*2.76	2000/5 gal tin
10g	30XSR005A	60*60 \ 2.36*2.36	1000/5 gal tin

FOOD DESICCANT

WISEOXY



WiseOxy® Oxygen Absorber Strip



By utilizing three-layer packaging material, it is safe to come in direct contact with food. Provide professional freshness retaining solution and customized dosage suggestion.



Removes the oxygen effectively, it reduces the oxygen density to 0.1% or less within 24-48 hours.



Safe, non-toxic, and odorless.



Avoid any form of oil(s) in the package from oxidation and prevents the growth of aerobic bacteria.

WiseOxy® Oxygen absorber utilizes iron powder as its main component. It removes the oxygen from within the food package when the iron powder is oxidized in the air. It can eliminate negative side-effects such as oxidation and reproduction of aerobic bacteria to ensure the quality of food and extend shelf life. The oxygen absorber is widely used in processed food products, such as pastry, bread, cake, nuts, popcorn, dried fruit food, dried vegetables, sausage, etc.



30CC

50CC

100CC

WISEOXY® OXYGEN ABSORBER STRIP STANDARD

ITEM	STANDARD
Nominated Oxygen Absorption Duration	≤ 48h
Maximum Oxygen Absorption Quantity	≥ 90ml

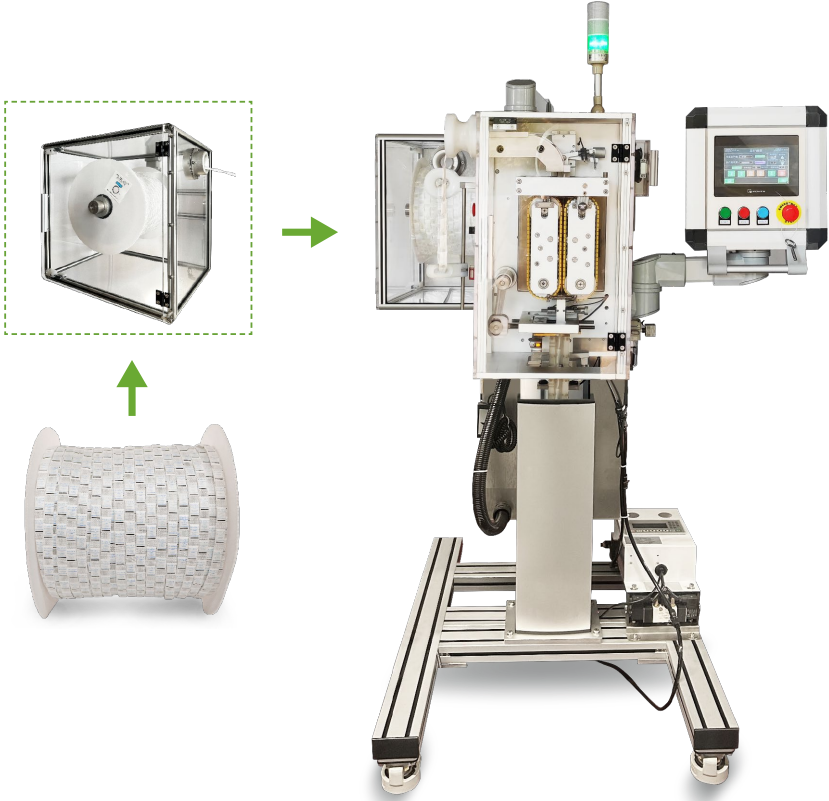
WISEOXY® OXYGEN ABSORBER STRIP SPECIFICATION

* Container:  Unit: 12 Pieces/3000 Pieces

Spec	Product Code	W*L (mm\in)	Packaging Quantity
1.3g	30XSR101A	30*45\1.18*1.77	9000/ctn
2.2g	30XSR102A	40*45\1.57*1.77	5000/ctn
3.8g	30XSR103A	45*60\1.77*2.36	3000/ctn

Equipment

WisePac® Automated Strip Desiccant Dispenser



Dispense rate up to 140 sachets per minute



Automated and accurate dispensing, saves labor cost, improves safety and is more cost efficient



Horizontal type saves more space

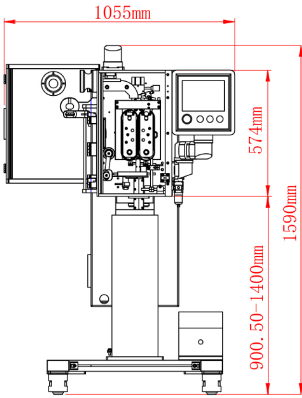
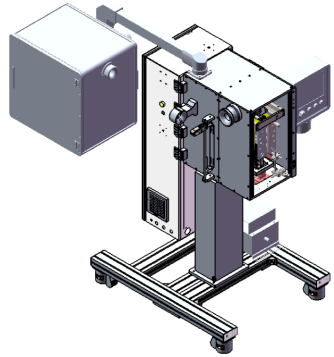


Well detection system.
Thickness/Length/Transparency

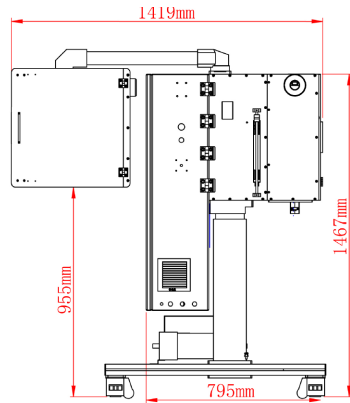


Self-check and automatic stop function when desiccant strip condition is abnormal, avoiding the situation of cutting desiccant packs in half.

WisePac® Automated strip desiccant dispenser is applicable for bottling packaging lines and works seamlessly with our WiseMini® Strip Desiccant. Automated and accurate dispensing save labor costs and improve production safety and efficiency. A multi-detection system to make sure dispensing is accurate and precise and can be integrated into a streamlined packaging line. And our newly improved structure saves more space.



Front View



Side View

MAIN INFORMATION

NAME	WisePac Automated Cutting & Dispensing Machine
MODEL	WSQJ-04V-01
Dispensing Desiccant Grammage	0.5g/1g
Max.Dispensing Speed	140 sachets/min
Power	220V 1AC+N_PE 50Hz
Air Pressure	0.4 - 0.5Mpa
Net Weight	210kg/463lb
Dimension (mm)	L1440*W1060*H1590 mm/ L56.7inch*W41.74inch*H62.6inch



WISESORBENT

T e c h n o l o g y



• For additional desiccant Solutions visit wisesorbent.com •

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