

DIAGNOSTIC REAGENT DESICCANT



Wisesorbent Technology has been an innovator in sorbent technology for over 19 years. Our parent company was founded in 2001, our mission is to protect your products from moisture damage.

Today, Wisesorbent Technology is a worldwide leader when it comes to focusing on desiccants and moisture-proof solutions. We are driven by innovation and are supported by strong technology, working hard to provide the best products and services to the pharmaceutical, diagnostic reagent, food, industrial and container shipping industries. We are always focusing on developing client satisfaction by providing fast delivery and high-quality products. Through the power of innovation and excellent service, we believe a better and healthier life can be achieved.

CONTENTS

WisePac® Aluminum Desiccant Film 2
WiseMini® Aihua paper Silica Gel Desiccant Sachet / Strip 4
WiseMini® Tyvek Molecular Sieve Desiccant Sachet
WiseMini® Tyvek Molecular Sieve Desiccant Strip
WiseTab® Molecular Sieve Desiccant Tablet 10
WiseTube $^{\rm \$}$ with Built in Desiccant-Flip Top Cap $\cdots\cdots\cdots$ 12
Wisemop® Rapid Water Absorption Pack ······ 14
WiseHIC [®] Humidity Indicator Card
WisePac [®] Desiccant Cutting & Dispensing
Machine-Horizontal Type 18



WISEPAC® ALUMINUM DESICCANT FILM

Patent Pending New innovative technology undergoing FDA approval



Ξ

Outer high barrier strength aluminum prevents moisture entering outside while desiccant layer abosrbs moisture within the package



Excellent shielding against moisture, oxygen, UV light

Excellent barrier against moisture, no moisture migration between layers

THE NEW DEFINITION OF ALUMINUM FILM

WisePac® Aluminum Desiccant Film is a new aluminum film innovation developed here at Wisesorbent. Many companies have aluminum and other film based packaging that can protect products from moisture outside, but when temperature changes occur, there is no way to protect the products from humidity changes within the package. With our Aluminum Desiccant Film, our unique high barrier and high moisture absorption properties protects both the inside and outside. In this way, you can increase product shelf and keep them as fresh as the day they were first produced!

WISEPAC[®] ALUMINUM DESICCANT FILM STANDARD

m	Lamination Structure:
	PET ALU Binder Desiccant Film PE

ITEM		Unit	DAF06001	DAF09001
Thickness		μm	100	130
Weight		g/m ²	130.0	165.0
Moisture Absorption Capac (77 °F /25°C , RH40%)	tity	g/m²	≥ 4.0	≥ 6.0
Toncilo Strongth	Horizontal	N/mm	≥	3.5
Tensile Sciengui	Vertical	N/mm	≥	3.5
Peel Strength		N/15mm	≥	6.0
Water Vapor Transmission (100.4 °F /38°C,RH90%)	Rate	g/(m²·24h)	≤ 0.5	
Oxygen Transmission Rate (73.4 °F /23°C)		cm³/ (m² · 24h · 0.1MPa)	≤ 0.5	
Thermal Adhesive Strength	ı	N/15mm	≥ 12	
Width		mm	50~900	
Length		m	500	
Number of joints per roll			\$	2
	TVCB	CFU/100cm ²	≤1	.000
Micro-organism Count	TVCYM	CFU/100cm ²	≤ .	100
	E.COLI		Undetecta	ble per bag



WISEMINI® AIHUA PAPER SILICA GEL DESICCANT SACHET / STRIP



Contains 10% of indicating silica gel, utilizes semi-transparent Aihua paper, you can see inside indicating silica gel turning from orange to green when absorbing moisture

FDA

Water based ink, printed on the inner surface of Aihua paper, will not contact your product, safer Can be integrated into automated dispensing system, maximum length difference between two sachets in a strip roll is 1.5mm, high seal strength, helps desiccant dispenser runs more efficient

A DESICCANT WITH A CLEAR ADVANTAGE

WiseMini[®] Aihua desiccant sachet strips eliminate the tedious process of manual insertion which is integral in high volume settings. Thus, our customers save on labor costs while increase their output via higher efficiency. The Aihua paper is semi-transparent and which makes it easy to see the humidity absorption at work, with both white silica gel for strength and orange indicator gel to know when it's time to replace it. Meanwhile our desiccants are completely safe to be in physical contact with any food or medicine. Our desiccant strips are available in sizes as small as from 0.5g to 3.0g, while our dispensing and cutting machines can dispense up to 180 desiccant bags per minute. If your business doesn't use an automatic dispenser, you can benefit from the same advantages in single sachet format as well.





WISEMINI® AIHUA PAPER SILICA GEL DESICCANT SACHET / STRIP STANDARD

ITEM		STANDARD		
Appearance		Surface of desiccant bag should be smooth and flat, free of damage, stains, and obvious color deviation. Words and patterns should be clearly printed		
Moisture Content (356° F/1	_80°C)	≤ 3.0%		
Moisture Absorption	RH = 20%	≥ 9.5%		
Capacity (77 °F / 25°C)	RH = 50%	≥ 22.0%		
Shatter Resistance		Drop from 1.2 meters 15 times, package should not be broken, adsorbent inside should not leak		
Discoloration Test		Soak solution should be colorless		
Total Solvent Residue		$\leq 5 \text{mg/m}^2$		
Residue of benzene		Undetectable		
Lead		≤ 5ppm		
Arsenic		≤ 1ppm		
Paper Bag Fluorescence		No flaky fluorescence		
	TVCB	≤ 1000 CFU/Bag		
Micro-organism Count	TVCYM	≤ 100 CFU/Bag		
	E.COLI	Undetectable per bag		

WISEMINI® AIHUA PAPER SILICA GEL DESICCANT SACHET SPECIFICATION WISEMINI® AIHUA PAPER SILICA GEL DESICCANT STRIP SPECIFICATION

PRODUCT#	SPEC	W (mm)	L (mm)	Packing quantity	PRODUCT #	SPEC	W (mm)	(mm)	Packing quantity
210AH0001	0.5g	16	34	22000 pcs/2 tins/ctn	210AH0051E	0.5g	16	34	15000 pcs / roll / ctn
210AH0002	1g	19	42	12000 pcs/2 tins/ctn	210AH0052E	1g	19	42	10000 pcs / roll / ctn
210AH0003	2g	22	50	7000 pcs / 2 tins / ctn		-8			
210AH0004	3g	26	60	6000 pcs /2 tins / ctn	210AH0053E	2g	22	50	5500 pcs / roll / ctn
210AH0005	5g	26	75	3500 pcs/2 tins/ ctn	210AH0054E	3g	26	60	4000 pcs / roll / ctn



WISEMINI® TYVEK MOLECULAR SIEVE DESICCANT SACHET



Excellent moisture absorption rate at low humidity



Uncoated Tyvek, dust-free, w/o glue & solvent



Water based ink



Transparent window on the

backside. able to see molecular

Strong melting sealing, small size

sieve inside



MOLECULAR SIEVE FOR THE MOST SENSITIVE SITUATIONS

The Wisemini[®] Molecular Sieve Desiccant Sachet series is unique in many ways. Firstly, it utilizes a melting seal and its text is always printed in the center of the sachet, leading to a stronger and safer sealed edge. Molecular sieve is a great desiccant raw material as well, which can be used at very low humidity levels while still operate quick and effectively. Diagnostic reagent products or any other medical devices are guaranteed to be kept potent, usable and safe as the day they were manufactured! So be sure to contact us and start using Molecular Sieve Sachets today!

WISEMINI® TYVEK MOLECULAR SIEVE DESICCANT SACHET STANDARD

ITEM		STANDARD		
Appearance		Surface of desiccant bag should be smooth and flat, free of damage, stains, and obvious color deviation. Words and patterns should be clearly printed. Light transmittance of the back seal of each sachet should be greater than 50%		
Moisture Content (1022° F/	/ 550°C)	≤ 3.0%		
Moisture Absorption	RH = 20%	≥ 17.0%		
Capacity (77° F / 25°C)	RH = 40%	≥ 19.0%		
Shatter Resistance		Drop from 1.2 meters 15 times, package should not be broken, adsorbent inside should not leak		
Discoloration Test		Soak solution should be colorless		
Total Solvent Residue		\leq 5mg/m ²		
Residue of benzene		Undetectable		
Lead		≤ 5ppm		
	TVCB	≤ 1000 CFU/Bag		
Micro-organism Count	TVCYM	≤ 100 CFU/Bag		
	E.COLI	Undetectable per bag		

WISEMINI® TYVEK PACKED MOLECULAR SIEVE DESICCANT SACHET SPECIFICATION

PRODUCT#	SPEC	(mm)	(mm)	Packing quantity	PRODUCT#	SPEC	W (mm)	(mm)	Packing quantity
1MSTY2000	0.25g	16	23	30000 pcs/2 tins/ctn	1MSTY2006	5g	38	59.5	3300 pcs/2 tins/ctn
1MSTY2001	0.5g	16	28	22000 pcs/2 tins/ctn	1MSTY2007	8g	26	100	2000 pcs/2 tins/ctn
1MSTY2002	1g	19	37	12000 pcs/2 tins/ctn	1MSTY2008	8g	38	75	2000 pcs/2 tins/ctn
1MSTY2003	2g	22	46.5	7000 pcs / 2 tins / ctn	1MSTY2009	10g	26	111.5	1800 pcs/2 tins/ctn
1MSTY2004	3g	26	50	6000 pcs /2 tins / ctn	1MSTY2010	10g	38	81	1800pcs/2tins/ctn
1MSTY2005	5g	26	68	3300 pcs /2 tins / ctn	1MSTY2011	14g	38	89	1300 pcs/2 tins/ctn



WISEMINI® TYVEK MOLECULAR SIEVE DESICCANT STRIP



Maximum length difference between two sachets in a strip roll is 1.5mm



Ultrasonic Seal is very strong and safe, which ensures each bag is cut at the right length when used in a dispensing machine



Our desiccants are packed in uncoated Tyvek and use water based ink that does not cause discoloration **GMP** Our GMP Process flow ensures that all desiccant bags have equal moisture absorption properties on each reel

Molecular Sieve is able to absorb moisture at ultra-low humidity rates, which is great for most sensitive products

MOLECULAR SIEVE WITH AUTOMATIC DISPENSING CAPABILITIES

Wisemini[®] molecular sieve desiccant strips eliminate the tedious process of manual insertion which is integral in high volume settings. Save on labor costs while simultaneously increase output via automatic dispensing. Meanwhile, our desiccants are completely safe to be in physical contact with any diagnostic products. Molecular Sieve is also essential for eliminating moisture at low humidity rates. Our desiccant strips are available in sizes from 0.25g to 3.0g while our dispensing and cutting machines can dispense up to 180 of our desiccant bags per minute.

WISEMINI® TYVEK MOLECULAR SIEVE DESICCANT STRIP STANDARD

ITEM		STANDARD		
Appearance		Surface of desiccant bag should be smooth and flat, free of damage, stains, and obvious color deviation. Words and patterns should be clearly printed. Light transmittance of the back seal of each sachet should be greater than 50%		
Moisture Content (1022° F	/ 550°C)	≤ 3.0%		
Moisture Absorption	RH = 20%	≥ 17.0%		
Capacity (77° F / 25°C)	RH = 40%	≥ 19.0%		
Shatter Resistance		Drop from 1.2 meters 15 times, package should not be broken, adsorbent inside should not leak		
Discoloration Test		Soak solution should be colorless		
Total Solvent Residue		$\leq 5 \text{mg/m}^2$		
Residue of benzene		Undetectable		
Lead		≤ 5ppm		
Light Transmittance		≥ 2000		
	TVCB	≤ 1000 CFU/Bag		
Micro-organism Count	TVCYM	≤ 100 CFU/Bag		
	E.COLI	Undetectable per bag		

WISEMINI® TYVEK MOLECULAR SIEVE DESICCANT STRIP SPECIFICATION

PRODUCT #	SPEC	W (mm)	L (mm)	Packing quantity
1MSTY2050E	0.25g	16	30	15000/ roll / ctn
1MSTY2051E	0.5g	16	33.5	12000/ roll / ctn
1MSTY2052E	1g	19	42	10000/ roll / ctn
1MSTY2053E	2g	22	51.5	5500/ roll / ctn
1MSTY2054E	3g	26	56	4000/ roll / ctn





WISETAB® MOLECULAR SIEVE DESICCANT TABLET



Fit within products with ease



Able to be implemented to any size and shape based on our customer



Molecular Sieve is great for the most sensitive products, which is able to absorb moisture at ultralow humidity rates









THIS TABLET IS ONE OF A KIND!

The WiseTab® Molecular Sieve Desiccant Tablet series is unique in many ways. Firstly, Wisesorbent is here to work with you for your special business needs to ensure it fits in your product and protects it from moisture damage. Whether you're using a sensitive device to detect pregnancy, diabetes or anything in between, our tablets are guaranteed to keep your products potent, usable and safe as the day they were manufactured! So be sure to contact us and start your own Desiccant Tablet solution today.

WISETAB® MOLECULAR SIEVE DESICCANT TABLET STANDARD

ITEM		STANDARD						
				ВМ1 ТВМ2 ТВМ3 ТВМ4 ТВМ5 Т				
Appearance	Shaped flake in white, creamy white, or earth red. No obvious defect							
Moisture Content (1022° F/550°C)		≤ 2.0%						
Moisture Absorption	RH = 20%	≥ 15.0% ≥ 13.0% ≥ 15.0%					≥ 15.0%	
25°C)	RH = 40%	0 ≥ 18.0% ≥ 16.0% ≥ 1					≥ 18.0%	
Dust (mg/g)		≤ 0.3						

WISETAB® MOLECULAR SIEVE DESICCANT TABLET SPECIFICATION

CATEGORY	MODEL	DIAMETERΦ/(W*L)	THICKNESS (mm)	WEIGHT (g)	PACK SIZE
TBM1	TBM11	8.00mm*17.45mm	4.15	0.530	12000pcs/4tins/ctn
	TBM20		3.17	0.250	20000pcs/4tins/ctn
трма	TBM21	¢10.00mm	4.70	0.425	16000pcs/4tins/ctn
	TBM22	Φ10.00000	5.50	0.530	14000pcs/4tins/ctn
	TBM23		7.00	0.680	10000pcs/4tins/ctn
	TBM30		3.17	0.370	16000pcs/4tins/ctn
	TBM31		4.05	0.470	12000pcs/4tins/ctn
TBM3	TBM32	Ф11.35mm	4.80	0.530	10000pcs/4tins/ctn
	TBM33		7.00	0.880	8000pcs/4tins/ctn
	TBM34		3.30	0.390	14000pcs/4tins/ctn
TBM4	TBM41	Ф6.00mm	7.40	0.235	28000pcs/4tins/ctn
TBM5	TBM51	Ф50.00mm	25.00	48.00	140pcs/4tins/ctn
TBM6	TBM61	Φ 3.50mm	6.00	0.070	80000pcs/4tins/ctn

WISETUBE® WITH BUILT IN DESICCANT-FLIP TOP CAP



Molecular sieve is found within the flip top cap, which keeps products inside safe



Utilizes crack resistant PP plastic







Available in standard sizes and unique customer specifications

Desiccant cap's breathable fiber



This Desiccative functional tube is composed of strong and durable PP plastic. The flip top cap is easy to open and the desiccant is found underneath the cap, it prevents diagnostic reagent products from moisture damage and extends shelf-life. The cap's desiccant is composed of molecular sieve housed underneath the cap. This type of desiccant tube is widely used in products such as diabetes test strips, urinalysis testing strips, pH test kits and other reagents so that their readings are as accurate as possible.

WISETUBE® WITH BUILT IN DESICCANT-FLIP TOP CAP STANDARD

ITEM		STANDARD
Moisture Content (1022 °F	F / 550°C)	≤ 3.0%
Moisture Absorption	RH = 20%	≥ 17.0%
(77° F / 25°C)	RH = 40%	≥ 19.0%
Shatter Resistance		Drop from 1 meter 15 times, plastic shell should not be broken, adsorbent inside should not leak
Abnormal Toxicity		No abnormal toxicity

WISETUBE® WITH BUILT IN DESICCANT-FLIP TOP CAP SPECIFICATION

PRODUCT #	Combination Cap Diameter (mm)	Straight Tube Height (mm)	Desiccant Net Weight (g)
8MSDS0001		48.3	
8MSDS0002 8MSDS0003 8MSDS0004	4 22.0	63.5	2.0
	Ψ33.0	95.0	2.0
		124.2	







WISEMOP® RAPID WATER ABSORPTION PACK

Strong absorption capacity (capable of absorbing up to 400 times of distilled water of its own weight, or 45 times of saline solution of its own weight)



Customized weight (aside from standard products, you can also customize the component weight yourself)



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Rapidly and effectively solves liquid leaking problem in medical, diagnostic and labs

Special packing material (utilize

water soluble paper, convenient to

use – don't need to tear open the

Non-toxic and non-hazardous, easy to use

Wisemop® Rapid Water Absorption Pack is a product used in medical field, diagnostic field and labs to quickly absorb and solidify leaking liquid. It utilizes water soluble packing material which enables convenient usage of product without opening the package. This water absorption pack is also capable of absorbing liquid rapidly: it can absorb hundreds of times of liquid of its own weight in a few minutes (absorption capacity is related to mineral salt concentration in the absorbed solution).





WISEMOP® RAPID WATER ABSORPTION PACK STANDARD

ITEM	STANDARD
Appearance	White or almost white powder particles
Water Content (248 °F /120°C)	≤ 5.0%
Water Absorption Capacity (g/g)	350-450
Absorption Capacity for 0.9% NaCl Solution (g/g)	40-45
Liquid Absorption Speed for the Entire Package (s)	≤ 355

WISEMOP® RAPID WATER ABSORPTION PACK SPECIFICATION

SPEC W*L (mm)		Packing quantity		
1g 25*42		7000pcs / 5PL / ctn		
2g 25*52		4000pcs / 4PL / ctn		
3g	35*55	3200pcs / 4PL / ctn		
5g 35*65		2000pcs / 4PL / ctn		

14

DO NOT EAT

DO NOT EAT AVOID INHALATION



WISEHIC® HUMIDITY INDICATOR CARD

Conforms with the MIL-I-8835A standard



Detects a wide range of humidity rates from very low to very high

Obvious Color Change: Blue to Pink color change is very apparent



Accurate, able to detect relative humidity within $\pm 5\%$

Compact, thanks to their flat card shape design, these WiseHIC® cards can be put anywhere

WISEHIC®, CARDS YOU WANT IN YOUR COLLECTION!

WiseHIC[®] cards come in several different sizes, ranging from simple singular percentage amount (8%) to over 5 percentages (10%-60% in increments of 10 and so on) and are used in many industries all over the world. Whether you want to make sure the laboratory sensitive scientific and medical equipment is securely operating at a humidity level between 20% and 30% or just want to make sure your laboratory doesn't go above 40% humidity, these are the cases (and many others) you want to use our WiseHIC. Available in many increments and sizes. Let us know what WiseHIC you need today!



WISEHIC® HUMIDITY INDICATOR CARD STANDARD

ITEM	STANDARD			
Appearance	Paper should be clearly printed, no taint, no damage.			
Indicating Dot	Dot should be even and completely marked inside the printed circle.			
Sensitivity	When the actual RH is 5% lower than the RH shown on the dot, the dot should be blue. When 5% higher, the dot should turn pink.			



WISEHIC® HUMIDITY INDICATOR CARD SPECIFICATION

PRODUCT # SPEC		PAPER SIZE (mm)	PACKING QUANTITY		
7BPNP101	8%	38×51×0.45	2000pcs/10tins/ctn		
7BPNP102 10~30%		76×51×0.45	1000pcs/10tins/ctn		
7BPNP103 30~50%		76×51×0.45	1000pcs/10tins/ctn		
7BPNP104 10~60%		38×102×0.45 2000pcs/10tins/c			
7BPNP105	5~15%	76×51×0.45	1000pcs/10tins/ctn		
7BPNP106	5%、10%、60%	76×51×0.45	1000pcs/10tins/ctn		



WISEPAC® DESICCANT CUTTING & DISPENSING MACHINE-HORIZONTAL TYPE



Dispense rate up to 150 packets per minute



Dry box with air drying system keeps desiccant strip stays dry during the entire dispensing process



Thickness/Length/Transparency detection system



¦ ⊯t

Fully enclosed system, less contamination

Occupies less space

If desiccant strip is abnormal, the machine will stop automatically to avoid cutting desiccant packs in half

A NEW STANDARD OF DESICCANT CUTTING & DISPENSING MACHINE

WisePac® Desiccant Cutting & Dispensing Machine-Horizontal Type is applicable for flow packaging line, it works seamlessly with our Wisemini Strip Desiccant, multi-detection system make sure dispensing is accurate and precise, can be integrated into a streamlined packaging line. The dry box keeps desiccant dry and sanitized during the whole dispensing process. And our newly improved structure saves space.

Main Parts

Image: second second



A CONTRACTOR OF	
	Operational Interface Were boxe terms have terms have terms t

belt nso utte n	r	Name	Wisepac Desiccan Cutting& Dispensing Machine Horizontal Type		
<u> </u>		Model	WSQJ-03-OA		
		Maximum Dispensing Speed	150sachets/min		
		Power	220V 50/60Hz 2KW		
		Air Pressure	0.5-0.8 MPa		
		Air Consumption	600 L/min		
un i		Net Weight	1000lbs / 450kg		
		Dimension (mm)	1280W*1645D*2125H (including Dry Box)		



CALCULATION METHOD FOR DESICCANT USE AMOUNT

According to "DIN55474 Calculation of necessary desiccant bag units in application", equation for desiccant dosage calculation for closed barrier packaging is as following:

 $n = \frac{1}{a} \left[V \times b + m \times c + A \times e \times WDD \times t \right]$

Implication and calculation value of each items in the equation are illustrated in the following tabl	e:
0	

Coefficient	Implication	Calculation Value					
n	Units of desiccant used						
а	Vapor absorption capacity for unit desiccant in packaging Under "ultimate allowed humidity" condition	Ultimate allowed humidity	20%	40%	50%	60%	
		Coefficient a	3	6	7	8	
е	Correction factor for ultimate allowed humidity	Coefficient e	0.9	0.7	0.65	0.6	
V	Air volume in packaging m ³						
b	Moisture content in packaging g/m ³	Eg: Under 20°C and 85% relative humidity, b=15g/m ³					
m	Weight of material with moisture in packaging Kg						
С	Humidity coefficient of material with moisture in packaging g/Kg=‰	Eg: wooden, paper material, c=80, organic buffer material, c=80					
А	Barrier packaging surface m ²						
		Example of vapor penetrability of commonly used barrier packaging					
	Vapor penetrability of barrier packaging under expected moisture and temperature condition, g/m ² .d Testing method: DIN 53122-1、DIN 53122-2	Barrier packaging	WDD value under specific testing condition				
WDD		classification	E 20)/85	B 3	8/90	
		LDPE(thickness 0.2mm)	0.	.4	2	.0	
		Aluminum composite film	<	0.1	0	.1	
t							

FURTHER ILLUSTRATION FOR CALCULATION METHOD:

Vapor source in closed packaging comes from 3 parts:

 \cdot V×b Vapor contained in the air which was closed in the packaging when product was packed;

 \cdot m×c Vapor in the product which was packed;

 \cdot A×e×WDD×t Vapor penetrates into the packaging through barrier packaging during shelf life.

Desiccants are used to remove vapor from above 3 sources in barrier packaging. Vapor penetrability of the barrier material of packaging affects efficiently on desiccant dosage during long term storage (6 months or more). Thus, it's better to use packaging material (eg. Aluminum foil bag) with better barrier functionality (low vapor penetrability) when condition allows. Besides, vapor penetrability can be significant different for the same packaging material under different temperature and humidity conditions. DIN55474 suggests to use the average vapor penetrability level under 23°C, RH85%. Integrating test value under actual using conditions can increase accuracy for dosage calculation.

CASE DESCRIPTION:

The customer's product is a diagnostic reagent product packed in aluminum foil bag. Packaging size is 25*85mm, sealing width is 10mm, shelf life is 18 months. The customer wants to keep the air inside the package at RH40% under room temperature.

 $Case \ calculation: According \ to \ the \ calculation \ formula$



among them:

 \triangle n is the number of units of desiccant;

 \triangle a is the amount of water that can be absorbed by each desiccant unit under the condition of "allowing ultimate humidity". The coefficient a=6, under 40% relative humidity;

 \triangle V is the volume inside the package. After packing, reagent strip is in a rectangular shape. Size is $20 \times 65 \times 5$ mm, and volume is 6.5×10^{-6} m³;

 \triangle b is the water vapor content in the air, the product is packaged in the drug workshop, the air temperature and humidity at the time of packaging is 25°C, RH 60%, the final temperature and humidity is 25°C, RH40%, calculated b = 4.61;

riangle m is the weight of the aqueous material inside the package, here: 0 Kg;

riangle c is the humidity coefficient of the aqueous material inside the package, here 0;

 \bigtriangleup A is the surface area of barrier package, calculated as 0.00325m²

 \triangle WDD is the water vapor transmission rate of the barrier package. The reagent packing material is 10s thick aluminum foil bag, calculate water vapor transmission rate as 0.1g/m². \triangle e is the correction factor for the final allowable humidity (40% RH), which is 0.7;

riangle t is the product shelf life, 540d.

 \triangle After calculation, n=0.02U, the weight of silica gel desiccant is 28g per U, so the recommended amount of silica gel desiccant is $28 \times 0.02 = 0.56g$





• For additional desiccant solutions visit wisesorbent.com •

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Call today to place an order +1 (800) 272-5238

