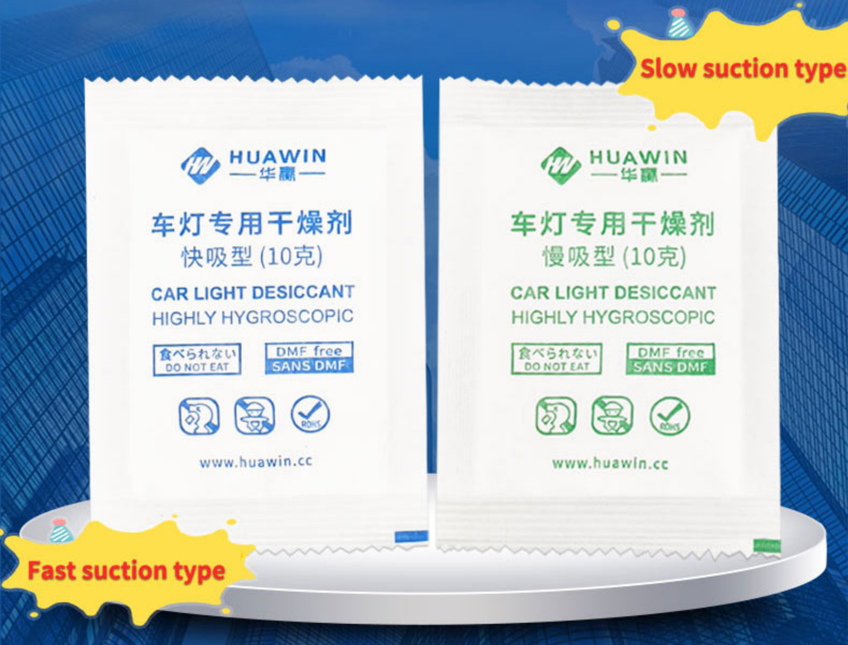
Special desiccant for automobile headlights
electrical equipment

Car lamp desiccant

Upgraded packaging materials, rapid defogging,protection of your car

5g/10g/15g/20g/25g/30g/50g


Slow suction type
HUAWIN
—华赢—
车灯专用干燥剂
快吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
ROHS
www.huawin.cc
HUAWIN
—华赢—
车灯专用干燥剂
慢吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
ROHS
www.huawin.cc
Fast suction type

Six performances and outstanding strength

✓ Mildew and moisture proof

✓ High moisture absorption

✓ Long-lasting moisture absorption

✓ Strong wate

✓ Packaging material upgrade

✓ Not liquefied

Product parameters

[Product name] Car lamp desiccant

[Product weight] 2g, 5g, 10g, 15g, 20g, 25g, 50g

[Product type] Fast suction type, slow suction type

[Product raw material] Magnesium chloride

[Product appearance] White powder

[Product packaging] 3 layers of anti-leakage packaging material

(optional with 3M double-sided tape)

[Shelf life] 24 months under sealed storage

Car lamp desiccant packaging specifications

Gram weight	finished size (mm)	bag	Bag/box	Bag size (mm)	Carton Size (length*width*height) (mm)
2g	50*75	200bags/bag	12bags/box	248*380	450*300*380
5g	50*90	200bags/bag	10bags/box	248*380	450*300*380
10g	70*100	100bags/bag	22bags/box	248*380	450*300*380
20g	70*120	100bags/bag	22bags/box	248*380	450*300*380
25g	100*140	50bags/bag	20bags/box	248*380	450*300*380
30g	100*160	50bags/bag	16bags/box	248*380	450*300*380
50g	120*150	50bags/bag	16bags/box	248*380	450*300*380

Does your car have these problems？

Fogging of headlights

Poor lighting

Fogged glass

Blurred vision

Moistture inside the car

Moldy odor

Car lamp desiccant

help your car easily solve the problem of moisture fogging

Widely used in car headlights, car engines, daily hardware, security equipment, mechanical equipment and other equipment that needs moisture protection.

Car headlights

Absorbs moisture to avoid hidden dangers

档衣柜杆
含两只法兰
送安装螺丝

Daily hardware

Absorbs moisture and prevents rust

Security equipment

Absorbs moisture, keeps dry

CAR LAMP DESICCANT

Upgraded packaging materials
rapid defogging

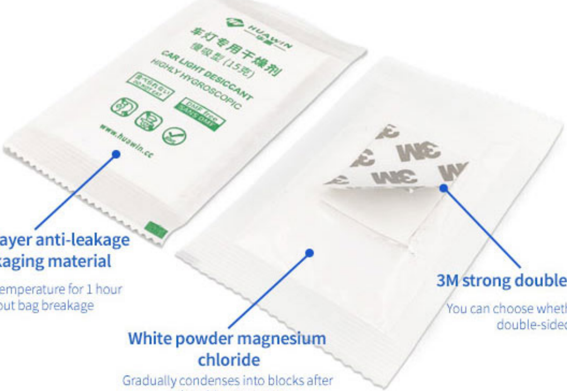
Fast suction type ‖ Slow suction type

HUAWIN
华赢
车灯专用干燥剂
快吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
ROHS
www.huawin.cc
HUAWIN
华赢
车灯专用干燥剂
慢吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
ROHS
www.huawin.cc

CAR LAMP DESICCANT

Do not give moisture a chance to invade

Car lamp desiccant uses high-purity magnesium chloride as raw material. It has stable chemical properties, balanced absorption performance, and high moisture absorption rate. In a high humidity environment (40°C, RH=90%), the moisture absorption capacity is as high as 220%, and after absorbing moisture, it becomes solid and no liquid water seeps out of the surface. The outer packaging uses 3 layers of leak-proof packaging material, which locks in moisture firmly and does not penetrate.


HUAWIN
车灯专用干燥剂
慢吸型(15克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
www.huawin.cc
3M

Three-layer anti-leakage packaging material

180° high temperature for 1 hour without bag breakage

3M strong double-sided tape

You can choose whether to have 3M double-sided tape

White powder magnesium chloride

Gradually condenses into blocks after absorbing moisture

2 options
fast suction type/slow suction type

There are 2 types of car lamp desiccants: fast suction type and slow suction type. You can choose the appropriate desiccant according to the humidity in the car and customer preferences.

Comparison of moisture absorption between fast-absorbing and slow-absorbing desiccants

Saturated moisture absorption rate: 220%

Fast-absorbing type

24-hour moisture absorption rate 120%

Slow absorption type

24-hour moisture absorption rate 20%

车灯专用干燥剂
快吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
www.huawin.cc

车灯专用干燥剂
慢吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
www.huawin.cc

CAR LAMP DESICCANT

High hygroscopicity complete moisture absorption

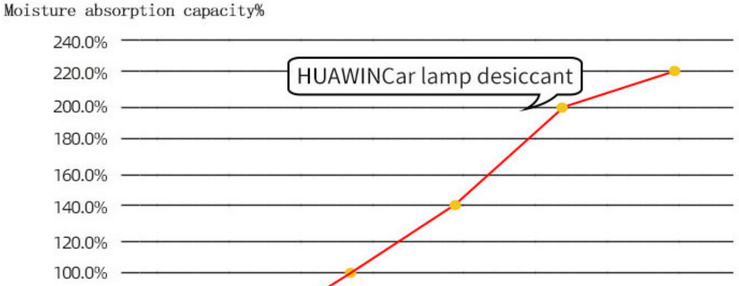
The headlight desiccant is a predatory chemical hygroscopic agent. As long as there is moisture in the air, it can be preyed upon. With an appropriate amount, the moisture in a specific space can be completely absorbed. At the same time, the rapid moisture absorption speed can quickly reduce the humidity of the space environment to the ideal humidity, creating a suitable dry environment.

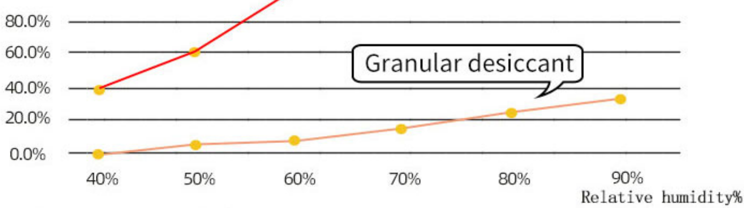
HUAWIN
车灯专用干燥剂
快吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
www.huawin.cc
HUAWIN
车灯专用干燥剂
慢吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
www.huawin.cc

High moisture absorption rate and significant moisture absorption effect

Magnesium chloride desiccant has stable performance and strong hygroscopicity. As the humidity increases, the adsorption capacity becomes stronger, and at the same humidity, the hygroscopicity is stronger than ordinary desiccants. And in an environment with temperature = 40°C and RH = 90%, the moisture absorption rate is as high as 220%.

Moisture absorption curves of different desiccants





The data test comes from the laboratory, the test conditions are: temperature = 40°C RH = 90%, this data is for reference only

Curing reaction moisture absorption is irreversible

The moisture absorption of car lamp desiccant is irreversible. It locks part of the absorbed moisture in the form of crystal water through predatory chemical moisture absorption, and the other part participates in the curing reaction and is converted into solid matter. Once the moisture is absorbed, it will not be released into the environment, and a stable dry environment will be maintained for a long time.

Presenting as a powder

After absorbing moisture

before moisture absorption

it appears as a solid block shape

HIGH TEMPERATURE RESISTANCE NO PENETRATION

The car lamp desiccant can withstand high temperature working environment. It uses 3 layers of anti-leakage packaging material. The bag will not break after being exposed to 180° high temperature for 1 hour. It has the properties of waterproof, breathable, strong, tear-resistant, etc., firmly locks water and is impermeable.

HUAWIN
华赢
车灯专用干燥剂
快吸型 (20克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない
DO NOT EAT
DMF free
SANS DMF
www.huawin.cc
3M

All-weather performance and strong applicability

The car lamp desiccant has the ability to work all-weather and can perform excellent moisture absorption under high temperature and high humidity and low temperature and low humidity conditions. It can work normally in the temperature range of -20℃~90℃ and the relative humidity environment of 1%~99%, and is suitable for environments of various seasons and regions.

HUAWIN
车灯专用干燥剂
快吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない DO NOT EAT
DMF free SANS DMF
www.huawin.cc
HUAWIN
车灯专用干燥剂
慢吸型 (10克)
CAR LIGHT DESICCANT
HIGHLY HYGROSCOPIC
食べられない DO NOT EAT
DMF free SANS DMF
www.huawin.cc

Instructions for use

Instructions for use of car lamp desiccant, for reference only

① Keep the surface of the item dry and clean, without residual debris, stains or other dirt.

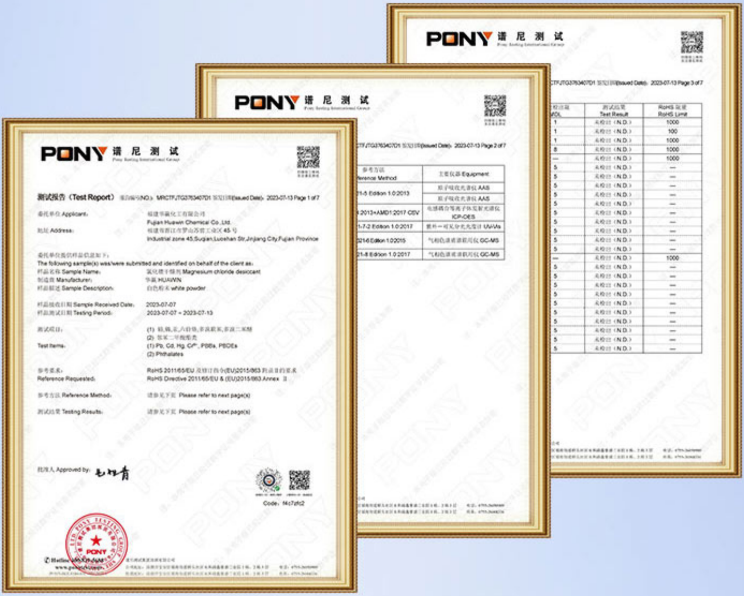
② Some headlight back covers have a special place for desiccant, which can be placed directly. (If not, you need to open the back cover of the headlight and put the product in).

③ Under normal circumstances, it will be damp in about 6 months. When the desiccant is completely solidified and agglomerated, please replace it in time.

Tips: The usage is 100-200g/m³. The specific time is related to the sealing of the car headlights and the environment in various places. The usage can be increased or decreased according to the actual packaging environment.

Test Report

(ROHS)



PONY 谱尼测试

(Test Report) NO.: MRCTFJTG2763407D1 Issued Date: 2023-07-13 Page 1 of 7

Applicant: Fujian Huawin Chemical Co.,Ltd.

Address: Industrial zone 45,Sugian,Luoshan Str,Jinjiang City,Fujian Province

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name: Magnesium chloride desiccant

Manufacturer: HUAWIN

Sample Description: white powder

Sample Received Date: 2023-07-07

Testing Period: 2023-07-07 ~ 2023-07-13

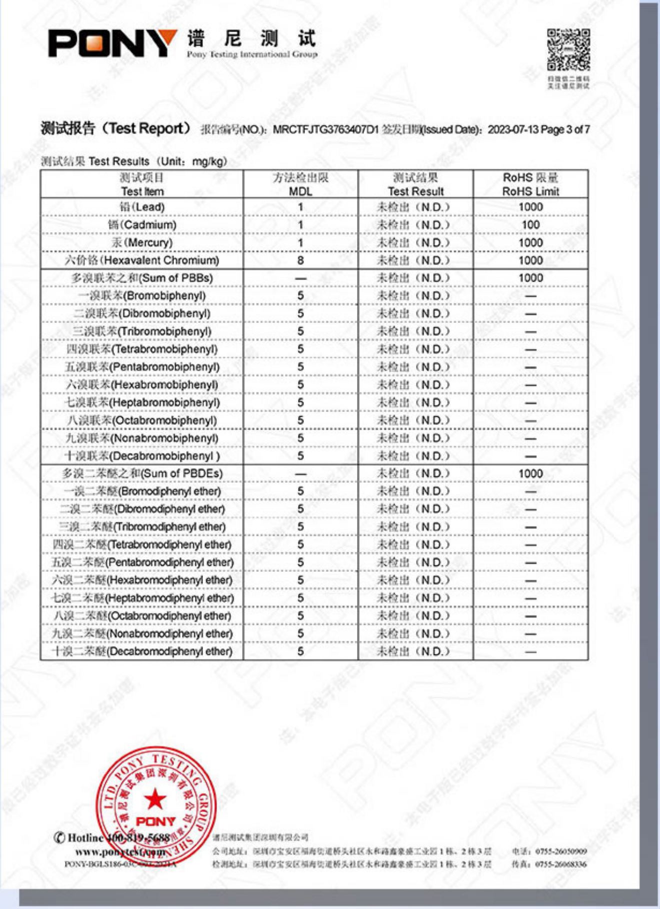
Test Items: (1) Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs
(2) Phthalates

Reference Requested: RoHS Directive 2011/65/EU & (EU)2015/863 Annex Ⅱ

Reference Method: Please refer to next page(s)

Testing Results: Please refer to next page(s)

Approved by:



测试报告（Test Report）

报告编号(NO.)：MRCTFJTG3763407D1 签发日期(Issued Date)：2023-07-13 Page 3 of 7

测试结果 Test Results（Unit：mg/kg）

测试项目 Test Item	方法检出限 MDL	测试结果 Test Result	RoHS 限量 RoHS Limit
铅(Lead)	1	未检出（N.D.）	1000
镉(Cadmium)	1	未检出（N.D.）	100
汞(Mercury)	1	未检出（N.D.）	1000
六价铬(Hexavalent Chromium)	8	未检出（N.D.）	1000
多溴联苯之和(Sum of PBBs)	—	未检出（N.D.）	1000
一溴联苯(Bromobiphenyl)	5	未检出（N.D.）	—
二溴联苯(Dibromobiphenyl)	5	未检出（N.D.）	—
三溴联苯(Tribromobiphenyl)	5	未检出（N.D.）	—
四溴联苯(Tetrabromobiphenyl)	5	未检出（N.D.）	—
五溴联苯(Pentabromobiphenyl)	5	未检出（N.D.）	—
六溴联苯(Hexabromobiphenyl)	5	未检出（N.D.）	—
七溴联苯(Heptabromobiphenyl)	5	未检出（N.D.）	—
八溴联苯(Octabromobiphenyl)	5	未检出（N.D.）	—
九溴联苯(Nonabromobiphenyl)	5	未检出（N.D.）	—
十溴联苯(Decabromobiphenyl)	5	未检出（N.D.）	—
多溴二苯醚之和(Sum of PBDEs)	—	未检出（N.D.）	1000
一溴二苯醚(Bromodiphenyl ether)	5	未检出（N.D.）	—
二溴二苯醚(Dibromodiphenyl ether)	5	未检出（N.D.）	—
三溴二苯醚(Tribromodiphenyl ether)	5	未检出（N.D.）	—
四溴二苯醚(Tetrabromodiphenyl ether)	5	未检出（N.D.）	—
五溴二苯醚(Pentabromodiphenyl ether)	5	未检出（N.D.）	—
六溴二苯醚(Hexabromodiphenyl ether)	5	未检出（N.D.）	—
七溴二苯醚(Heptabromodiphenyl ether)	5	未检出（N.D.）	—
八溴二苯醚(Octabromodiphenyl ether)	5	未检出（N.D.）	—
九溴二苯醚(Nonabromodiphenyl ether)	5	未检出（N.D.）	—
十溴二苯醚(Decabromodiphenyl ether)	5	未检出（N.D.）	—

谱尼测试集团深圳有限公司

★ Product Customization ★

Consultation and negotiation

determination of cooperation intention

determination of raw materials and packaging materials

determination of sample design

signing of contract

shipment

Precautions for storage and use of desiccant

1.Storage: desiccant must be sealed and stored in a cool and dry warehouse without chemical pollutants, isolated from the outside air, the next use will not be affected.

2.Transportation: the desiccant in the process of transportation should be carefully handled, avoid the internal and external packaging rub damage, at the same time to prevent contact with acid and alkali substances, avoid sunlight and rain and snow immersion, fire, moistureproof.

3. Uses:

①Desiccant needs to be used under dry environmental conditions;

② Before use, check whether the packing container is properly sealed. For vacuum packing products, check whether the packing container of the vacuum bag is damaged. If the silicone products with instructions before use indicate whether the silicone is discolored. Ensure that the above conditions can be used below;

③ After opening the packaging container, the desiccant should be used as soon as possible. According to the actual factory usage, the unused desiccant should be sealed and stored in time;

④ When using the desiccant, the desiccant bag should not be squeezed and rubbed, and the desiccant bag should not be thrown at will, so as to avoid the desiccant bag damage and leakage or broken bag.

⑤Do not tear the desiccant packaging directly, take out the desiccant to prevent ingestion. Keep out of reach of children. If ingested, seek medical attention.