



Pony Testing International Group

Report No.: MPI16MAL980687U3



扫描二维码  
关注谱尼测试

2022 年 1 月 1 日生效

# MSDS Report

Sample Name  
& Model

Nickel Metal Hydride Battery AAA 1.2V

Applicant

HuiZhou ShenZhou Super Power Technology CO.,LTD

Address

Workshop of Dongsheng Citizen Group, No. 52, XieXia,  
Huihuan Town, HuiZhou, Guangdong, China



No.: MPI16MAL980687U3

Code: dnC5



北京实验室: (010) 83055000

上海实验室: (021) 64851999

青岛实验室: (0532) 88706866

深圳实验室: (0755) 26050909

天津实验室: (022) 23607888

苏州实验室: (0512) 62997900

武汉实验室: (027) 85446975

武汉车附所: (027) 82318175

长春实验室: (0431) 80530198

大连实验室: (0411) 87336618

哈尔滨实验室: (0451) 58627755

郑州实验室: (0371) 69350670

新疆实验室: (0991) 6684186

石家庄实验室: (0311) 85376660

西安实验室: (029) 89608785

杭州实验室: (0571) 87219096

宁波实验室: (0574) 87977185

呼和浩特实验室: (0471) 3450025

太原实验室: (0351) 7555722

南宁实验室: (0771) 5518818

合肥实验室: (0551) 63843474

广州实验室: (020) 89224310

厦门实验室: (0592) 5568048

成都实验室: (028) 87702708

## 声 明 Statement

1. 本证明/报告的结论仅对委托方所送样品负责。  
The conclusion of the certificate/report is responsible for the provided sample only.
2. 委托方必须如实提供样品, 申报和声明资料, 并保证与实际相符, 否则由委托方承担由此导致的全部后果和责任。  
The applicant shall provide accurately and truly the description and statement of the sample, shall guarantee to match the sample and real situation which they provided and declared. Otherwise the application shall bear any relevant consequences and responsibility.
3. 如委托方提供的样品及相关资料存在虚假、伪造等情形, 所造成的全部后果和责任由委托方承担。  
In case the sample and documents provided involved in the situation of fake and forgery, any consequences and responsibility caused by this shall be undertaken by applicant.
4. 本证明/报告私自转让、盗用、冒用、涂改、未经本单位批准的复制(全文复制除外)或以其它任何形式的篡改均属无效, 本单位将对上述行为追究其相应的法律责任。  
The certificate/report is invalid in case of illegal transfer, embezzlement, imposture, modification or any altering, reproducing except in full, without approval of PONY. PONY shall investigate and affix the applicant's legal liability accordingly.
5. 本证明/报告不考虑国家及经营人差异。  
The certificate/report takes no account of the differences of countries and applicants.
6. 本单位有权在完成证明/报告后处理委托方所送样品。  
PONY has the right to dispose the provided sample after approval of the certificate/report.

### ▲ 防伪说明:

- (1) 报告编号是唯一的;
- (2) 报告采用特制防伪纸张印制, 纸张表面带有“PONY”防伪纹路, 该防伪纹路不支持复印, 即复制件不会带有“PONY”防伪纹路;
- (3) 报告采用的防伪纸张内部亦加带有高科技“PONY”防伪水印, 只有在验钞机等紫外线照射下方可显出无色荧光防伪字样。



全国服务热线  
400-819-5688

WWW.PONYTEST.COM

扫描二维码

关注谱尼测试微信

公众号 PONY4008195688



北京实验室: (010) 83055000  
上海实验室: (021) 64851999  
青岛实验室: (0532) 88706866  
深圳实验室: (0755) 26050909  
天津实验室: (022) 23607888  
苏州实验室: (0512) 62997900

武汉实验室: (027) 85446975  
武汉车附所: (027) 82318175  
长春实验室: (0431) 80530198  
大连实验室: (0411) 87336618  
哈尔滨实验室: (0451) 58627755  
郑州实验室: (0371) 69350670

新疆实验室: (0991) 6684186  
石家庄实验室: (0311) 85376660  
西安实验室: (029) 89608785  
杭州实验室: (0571) 87219096  
宁波实验室: (0574) 87977185  
呼和浩特实验室: (0471) 3450025

太原实验室: (0351) 7555722  
南宁实验室: (0771) 5518818  
合肥实验室: (0551) 63843474  
广州实验室: (020) 89224310  
厦门实验室: (0592) 5568048  
成都实验室: (028) 87702708



# Material Safety Data Sheet

Reference to ST/SG/AC.10/30/Rev.9 (GHS)

## Section 1 - Chemical Product and Company Identification

### Chemical Product Identification

**Sample Name:** Nickel Metal Hydride Battery

**Sample Model:** AAA 1.2V

**Recommended Uses:** N/A

**Restrictions on Use:** N/A

**Supplier Name:** HuiZhou ShenZhou Super Power Technology CO.,LTD

**Address:** Workshop of Dongsheng Citizen Group, No. 52, XieXia, Huihuan Town, HuiZhou, Guangdong, China

**Phone Number:** 0752-8216589

**FAX:/**

**E-mail:** dinglx@lc-battery.com

**Emergency Phone Number:** 0752-8216500

## Section 2 - Hazards Identification

**Emergency overview:** This product is a battery. Intended use of the product should not result in exposure to the chemical substance. In case of rupture the below hazards exist.

### Classification according to GHS

Acute toxicity, oral (4)

Acute toxicity, inhalation:Dusts and mists (4)

Skin corrosion/irritation (1A, 1B, 1C)

Sensitisation, respiratory (1, 1A, 1B)

Sensitisation, skin (1, 1A, 1B)

Carcinogenicity (2)

Specific target organ toxicity, single exposure; Respiratory tract irritation (3)

Specific target organ toxicity, repeated exposure (2)

Hazardous to the aquatic environment, long-term hazard (1)

### Label elements

**Hazard pictogram(s):**





Pony Testing International Group

Report No.: MPI16MAL980687U3 Date: 2021-12-28 Page 2 of 11



**Signal word:** Danger

**Hazard statement(s):**

H302 Harmful if swallowed

H332 Harmful if inhaled

H314 Causes severe skin burns and eye damage

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H317 May cause an allergic skin reaction

H351 Suspected of causing cancer

H335 May cause respiratory irritation

H373 May cause damage to organs through prolonged or repeated exposure

H410 Very toxic to aquatic life with long lasting effects

**Precautionary statement(s):**

**Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dusts or mists.

P264 Wash skin and clothing thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

**Response:**

P330 Rinse mouth.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P363 Wash contaminated clothing before reuse.

P321 Specific treatment(See additional emergency instructions).

P391 Collect spillage.

**Storage**

P405 Store locked up.

**Disposal:**

P501 Send contents to approved waste treatment plants.



Hotline 400-819-5688

www.ponytest.com

Pony Testing Group Shenzhen Co., Ltd.  
Address: 3/F of Building 2, Building 1, Xinhaozheng Industrial Park, Yonghe Road, Qiaotou Community, Baoan District, Shenzhen, Guangdong, China  
Phone: 0755-26050909

|                             |                           |                         |                         |
|-----------------------------|---------------------------|-------------------------|-------------------------|
| 北京实验室: (010)83055000        | 哈尔滨实验室: (0451)58627755    | 内蒙古医学实验室: (0471)3591511 | 武汉实验室: (027)83997127    |
| 北京医学实验室: (010)62450233-8010 | 黑龙江医学实验室: (0451)58603455  | 太原实验室: (0351)7555722    | 武汉医学实验室: (027)85446975  |
| 北京谱尼科技公司: (010)80415661     | 郑州实验室: (0371)69350670     | 成都实验室: (028)87702708    | 杭州实验室: (0571)87219096   |
| 青岛实验室: (0532)88706866       | 郑州润田医学实验室: (0371)63279066 | 贵州实验室: (0851)85221000   | 杭州医学实验室: (0571)87219096 |
| 青岛医学实验室: (0532)88706866     | 新疆实验室: (0991)6684186      | 上海实验室: (021)64851999    | 宁波实验室: (0574)87977185   |
| 天津实验室: (022)23607888        | 石家庄实验室: (0311)85376660    | 上海医学实验室: (021)64851999  | 合肥实验室: (0551)63843474   |
| 天津医学实验室: (022)23607888      | 西安实验室: (029)89608785      | 苏州实验室: (0512)62997900   | 深圳实验室: (0755)26050909   |
| 长春实验室: (0431)80530198       | 西安创尼实验室: (029)81123093    | 苏州汽车安全带及儿童安全座椅          | 深圳医学实验室: (0755)26050909 |
| 吉林医学实验室: (0431)80529700     | 西安德威实验室: (029)62886819    | 碰撞实验室: (0512)62997900   | 广州实验室: (020)89224310    |
| 大连实验室: (0411)87336618       | 西安医学实验室: (029)89608785    | 苏州医学实验室: (0512)62997900 | 南宁实验室: (0771)5518818    |
| 大连医学实验室: (0411)87336618     | 呼和浩特实验室: (0471)3450025    | 武汉车附所: (027)82318175    | 厦门实验室: (0592)5568048    |



Pony Testing International Group

Report No.: MPI16MAL980687U3 Date: 2021-12-28 Page 3 of 11

#### Other hazards

Physical and chemical hazards: See Section 10

Human health hazards: See Section 11

Environmental hazards: See Section 12

### Section 3 – Composition/Information on Ingredients

#### Chemical characterization: Mixture

| Chemical Composition | CAS No.    | EC#       | Weight (%) |
|----------------------|------------|-----------|------------|
| Nickel               | 7440-02-0  | 231-111-4 | 22.91      |
| Nickel Hydroxide     | 12054-48-7 | 235-008-5 | 29         |
| Cobalt oxide         | 11104-61-3 | 234-334-5 | 4.68       |
| Iron                 | 7439-89-6  | 231-096-4 | 19.83      |
| Misch metal          | ---        | ---       | 8.96       |
| Water                | 7732-18-5  | 231-791-2 | 5.57       |
| Sodium hydroxide     | 1310-73-2  | 215-185-5 | 0.18       |
| Lithium Hydroxide    | 1310-65-2  | 215-183-4 | 0.16       |
| Potassium hydroxide  | 1310-58-3  | 215-181-3 | 6.58       |
| Polypropylene        | 9003-07-0  | 618-352-4 | 2.13       |

### Section 4 - First Aid Measures

#### Description of first aid measures

General information No special measures required.

#### After eye contact

Flush eyes with plenty of water for several minutes while holding eyelids open. Get medical attention if irritation persists.

#### After skin contact

Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs, get medical attention.

#### After inhalation

Remove victim to fresh area. Administer artificial respiration if breathing is difficult. Seek medical attention.



Hotline 400-819-5688

www.ponytest.com

Pony Testing Group Shenzhen Co., Ltd.  
Address: 3/F. of Building 2, Building 1, Xinhaozhong Industrial Park, Yonghe Road, Qiaotou Community, Baoan District, Shenzhen, Guangdong, China  
Phone: 0755-26050909

北京实验室: (010)83055000 哈尔滨实验室: (0451)58627755 内蒙古医学实验室: (0471)3591511 武汉实验室: (027)83997127  
北京医学实验室: (010)62450233-8010 黑龙江医学实验室: (0451)58603455 太原实验室: (0351)7555722 武汉医学实验室: (027)85446975  
北京谱尼科技公司: (010)80415661 郑州实验室: (0371)69350670 成都实验室: (028)87702708 杭州实验室: (0571)87219096  
青岛实验室: (0532)88706866 郑州润巴医学实验室: (0371)63279066 贵州实验室: (0851)85221000 杭州医学实验室: (0571)87219096  
青岛医学实验室: (0532)88706866 新疆实验室: (0991)6684186 上海实验室: (021)64851999 宁波实验室: (0574)87977185  
天津实验室: (022)23607888 石家庄实验室: (0311)85376660 上海医学实验室: (021)64851999 合肥实验室: (0551)63843474  
天津医学实验室: (022)23607888 西安实验室: (029)89608785 苏州实验室: (0512)62997900 深圳实验室: (0755)26050909  
长春实验室: (0431)80530198 西安创尼实验室: (029)81123093 苏州汽车安全带及儿童安全座椅 碰撞实验室: (0512)62997900 深圳医学实验室: (0755)26050909  
吉林医学实验室: (0431)80529700 西安德威实验室: (029)62886819 苏州医学实验室: (0512)62997900 广州实验室: (020)89224310  
大连实验室: (0411)87336618 西安医学实验室: (029)89608785 武汉车附所: (027)82318175 南宁实验室: (0771)5518818  
大连医学实验室: (0411)87336618 呼和浩特实验室: (0471)3450025 厦门实验室: (0592)5568048



Pony Testing International Group

**After swallowing**

Do not induce vomiting. Get medical attention.

**Personal protective equipment for first-aid responders:** No data available.**Most important symptoms/effects, acute and delayed:** No data available.**Indication of immediate medical attention and special treatment needed:** Treat symptomatically.**Section 5 - Fire Fighting Measures****Suitable extinguishing media:**Use extinguishing agent suitable for local conditions and the surrounding environment. Such as dry powder, CO<sub>2</sub>.**Unsuitable extinguishing media:**

No data available.

**Specific Hazards arising from the chemical:**

Special hazards arising from the substance or mixture

Battery may burst and release hazardous decomposition products when exposed to a fire situation.

Some may burn but none ignite readily. Containers may explode when heated. Some may be transported hot.

**Specific protective actions for fire-fighters:**

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

**Section 6 - Accidental Release Measures****Personal precautions:**

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

**Protective equipment:**

No data available.

**Emergency procedures:**

Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust.

Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water.

**Environmental precautions:**

Do not allow material to be released to the environment without proper governmental permits.

**Methods and materials for containment and cleaning up:**

For all waste handling must refer to United Nations, National and Local Regulations for disposal.

See Section 7 for information on safe handling.



See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## Section 7 - Handling and Storage

### Precautions for safe handling:

Avoid short circuiting the battery. Avoid mechanical damage of the battery. Do not open or disassemble. Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.

### Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

| CAS No.    | ACGIH                        | NIOSH                          | OSHA                       |
|------------|------------------------------|--------------------------------|----------------------------|
| 7440-02-0  | TLV-TWA 1.5mg/m <sup>3</sup> | REL-TWA 0.015mg/m <sup>3</sup> | PEL-TWA 1mg/m <sup>3</sup> |
| 12054-48-7 | N/A                          | N/A                            | N/A                        |
| 11104-61-3 | N/A                          | N/A                            | N/A                        |
| 7439-89-6  | N/A                          | N/A                            | N/A                        |
| 7732-18-5  | N/A                          | N/A                            | N/A                        |
| 1310-73-2  | N/A                          | N/A                            | PEL-TWA 2mg/m <sup>3</sup> |
| 1310-65-2  | N/A                          | N/A                            | N/A                        |
| 1310-58-3  | TLV-Peak 2mg/m <sup>3</sup>  | REL-Peak 2mg/m <sup>3</sup>    | N/A                        |
| 9003-07-0  | N/A                          | N/A                            | N/A                        |

### Appropriate engineering controls:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

### Personal Protective Equipment:

**Respiratory protection:** Wear suitable protective mask. For a large large number of battery

leakages, wear chemical protective clothing, including self-contained breathing apparatus.

**Hand Protection:** Wear appropriate protective gloves to reduce skin contact.

**Eye Protection:** Wear safety goggles or eye protection combined with respiratory protection.

**Skin and Body Protection:** Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

## Section 9 - Physical and Chemical Properties

### Information on basic physical and chemical properties

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Colour:                                                   | Green.         |
| Physical State:                                           | Cylindrical.   |
| Odour:                                                    | Not available. |
| pH:                                                       | Not available. |
| Melting point/freezing point:                             | Not available. |
| Boiling point or initial boiling point and boiling range: | Not available. |
| Flash Point:                                              | Not available. |
| Flammability:                                             | Not available. |
| Solubility:                                               | Not available. |
| Lower and upper explosion limit/flammability limit:       | Not available. |
| Auto-ignition temperature:                                | Not available. |
| Decomposition temperature:                                | Not available. |
| Kinematic viscosity:                                      | Not available. |
| Partition coefficient: n-octanol/water (log value):       | Not available. |
| Vapour pressure:                                          | Not available. |
| Density and/or relative density:                          | Not available. |
| Relative vapour density:                                  | Not available. |
| Particle characteristics:                                 | Not available. |
| Other information:                                        |                |
| Voltage                                                   | 1.2V           |

## Section 10 - Stability and Reactivity

**Reactivity:** No data available.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** No data available.



**Conditions to Avoid:** Flames, sparks, and other sources of ignition, incompatible materials.

**Incompatible materials:** Oxidizing agents, acid base.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide.

## Section 11 - Toxicological Information

### Acute Toxicity:

| CAS No.    | LC50/LD50                                                                        |
|------------|----------------------------------------------------------------------------------|
| 7440-02-0  | LD50 Rat (oral): >9000mg/kg                                                      |
| 12054-48-7 | LD50 Rat (oral): 1600 mg/kg<br>LC50 Rat (Inhalation: Dusts and mists): 1200mg/m3 |
| 11104-61-3 | No data available.                                                               |
| 7439-89-6  | No data available.                                                               |
| 7732-18-5  | No data available.                                                               |
| 1310-73-2  | No data available.                                                               |
| 1310-65-2  | LD50 Rat (oral): 210 mg/kg; LC50 Rat (Inhalation: Dusts and mists): 0.96mg/L     |
| 1310-58-3  | LD50 Rat (oral): 284mg/kg                                                        |
| 9003-07-0  | No data available.                                                               |

**Skin corrosion/irritation:** No data available.

**Serious eye damage/irritation:** No data available.

**Respiratory or Skin sensitization:** No data available.

**Germ Cell mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**Reproductive toxicity:** No data available.

**Specific target organ toxicity-Single exposure:** No data available.

**Specific target organ toxicity-Repeated exposure:** No data available.

**Aspiration hazard:** No data available.

**Information on the likely routes of exposure:** No data available.

**Eye:** No data available.

**Skin:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.



## Section 12 - Ecological Information

**Ecological Toxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

## Section 13 - Disposal Considerations

**Disposal methods:**

**Recommendation:**

Consult state, local or national regulations to ensure proper disposal.

**Uncleaned packaging**

**Recommendation:** Disposal must be made according to official regulations.

## Section 14 - Transport Information

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| <b>UN or ID Number</b>                  |                                                |
| <b>IATA, IMDG, Model Regulation</b>     | N/A                                            |
| <b>Proper Shipping Name/Description</b> |                                                |
| <b>IATA, IMDG, Model Regulation</b>     | N/A                                            |
| <b>Class or Div. (Sub Hazard)</b>       |                                                |
| <b>IATA, IMDG, Model Regulation</b>     | Not Subjected for transport of dangerous goods |
| <b>Packing Group</b>                    |                                                |
| <b>IATA, IMDG, Model Regulation</b>     | N/A                                            |
| <b>Hazard Label</b>                     |                                                |
| <b>IATA, IMDG, Model Regulation</b>     | N/A                                            |
| <b>Environmental hazards</b>            |                                                |
| <b>Marine pollutant:</b>                | No                                             |
| <b>Special precautions for user</b>     | No information available.                      |

**Transport information:** Nickel Metal Hydride Battery AAA 1.2V is exempt from dangerous goods. It is considered non-dangerous goods by the International Civil Aviation Organization (ICAO), the International Air Transport Association (IATA) DGR 63<sup>rd</sup>, IATA Special Provisions A199,



集团微信订阅号 集团微信服务号



Pony Testing International Group

Report No.: MPI16MAL980687U3 Date: 2021-12-28 Page 9 of 11

International Maritime Dangerous Goods Regulations (IMDG) (40-20), IMDG Special Provisions 963, or the 《Recommendations on the Transport of Dangerous Goods Model Regulations》 (22<sup>nd</sup>).

**S.P.A199** The UN number UN 3496 is only applicable in sea transport. Nickel-metal hydride battery or nickel-metal hydride battery-powered devices, equipment or vehicles having the potential of a dangerous evolution of heat are not subject to these Regulations provided they are prepared for transport so as to prevent:

- (a) a short-circuit (e.g. in the case of batteries, by the effective insulation of exposed terminals; or, in the case of equipment, by disconnection of the battery and protection of exposed terminals); and
- (b) unintentional activation.

The words "Not Restricted" and the Special Provision number must be included in the description of the substance on the Air Waybill as required by 8.2.6, when an Air Waybill is issued.

Separate batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport.

Note: A total quantity less than 100kg gross mass in a cargo transport unit. (By sea).

**Transport Fashion:** By air, by sea, by road.

## Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

| CAS No.    | TSCA   | IECSC  | DSL/NDL    | EINECS/ ELINCS/ NLP |
|------------|--------|--------|------------|---------------------|
| 7440-02-0  | Listed | Listed | Listed DSL | Listed              |
| 12054-48-7 | Listed | Listed | Listed DSL | Listed              |
| 11104-61-3 | Listed | Listed | Listed DSL | Listed              |
| 7439-89-6  | Listed | Listed | Listed DSL | Listed              |
| 7732-18-5  | Listed | Listed | Listed DSL | Listed              |
| 1310-73-2  | Listed | Listed | Listed DSL | Listed              |
| 1310-65-2  | Listed | Listed | Listed DSL | Listed              |
| 1310-58-3  | Listed | Listed | Listed DSL | Listed              |
| 9003-07-0  | Listed | Listed | Listed DSL | Listed              |

**PONY 谱尼测试**  
Pony Testing International Group

Hotline 400-819-5688 www.ponytest.com

Pony Testing Group Shenzhen Co., Ltd.  
Address: 3/F, of Building 2, Building 1, Xinhao Industrial Park, Yonghe Road, Qiaotou Community, Baoan District, Shenzhen, Guangdong, China  
Phone: 0755-26050909

北京实验室: (010)83055000 哈尔滨实验室: (0451)58627755 内蒙古医学实验室: (0471)3591511 武汉实验室: (027)83997127  
北京医学实验室: (010)62450233-8010 黑龙江医学实验室: (0451)58603455 太原实验室: (0351)7555722 武汉医学实验室: (027)85446975  
北京谱尼科技公司: (010)80415661 郑州实验室: (0371)69350670 成都实验室: (028)87702708 杭州实验室: (0571)87219096  
青岛实验室: (0532)88706866 郑州谱尼医学实验室: (0371)63279066 贵州实验室: (0851)85221000 杭州医学实验室: (0571)87219096  
青岛医学实验室: (0532)88706866 新疆实验室: (0991)6684186 上海实验室: (021)64851999 宁波实验室: (0574)87977185  
天津实验室: (022)23607888 石家庄实验室: (0311)85376660 上海医学实验室: (021)64851999 合肥实验室: (0551)63843474  
天津医学实验室: (022)23607888 西安实验室: (029)89608785 苏州实验室: (0512)62997900 深圳实验室: (0755)26050909  
长春实验室: (0431)80530198 西安创尼实验室: (029)81123093 苏州汽车安全带及儿童安全座椅 碰撞实验室: (0512)62997900 广州实验室: (020)89224310  
吉林医学实验室: (0431)80529700 西安德威实验室: (029)62886819 西安医学实验室: (029)89608785 武汉车附所: (027)82318175 厦门实验室: (0592)5568048  
大连实验室: (0411)87336618 呼和浩特实验室: (0471)3450025



Pony Testing International Group

Report No.: MPI16MAL980687U3 Date: 2021-12-28 Page 10 of 11

## Section 16 - Other Information

Issue Date: 2021-12-28

Issue Department: Technical department

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service);

EC: (European Commission);

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health);

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average);

STEL: (Short Term Exposure Limit);

PEL: (Permissible Exposure Level);

REL: (Recommended Exposure Limit);

PC-STEL: (Permissible concentration-short time exposure limit);

PC-TWA: (Permissible concentration-time weighted average);

IARC: (International Agency for Research on Cancer);

LC50: (Lethal concentration, 50 percent kill);

LD50: (Lethal dose, 50 percent kill);

EC50: (Median effective concentration);

BCF: (Bioconcentration Factor);

BOD: (Biochemical oxygen demand);

IECSC: (Inventory of Existing Chemical Substances in China);

NOEC: (No observed effect concentration);

NTP: (US National Toxicology Program);

RTECS: (Registry of Toxic Effects of Chemical Substances);

TOC: (Total Organic Carbon);

TSCA: (Toxic Substances Control Act of USA);



Pony Testing International Group

Report No.: MPI16MAL980687U3 Date: 2021-12-28 Page 11 of 11

DSL: (the Domestic Substances List of Canada);

NDSL: (the Non-domestic Substances List of Canada)

IATA: (International Air Transport Association);

IMDG: (International Maritime Dangerous Goods);

TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations);

\*\*\*End of report\*\*\*

**PONY 谱尼测试**  
Pony Testing International Group

Hotline 400-819-5688 www.ponytest.com

Pony Testing Group Shenzhen Co., Ltd.  
Address: 3/F of Building 2, Building 1, Xinhao Sheng Industrial Park, Yonghe Road, Qiantou Community, Baoan District, Shenzhen, Guangdong, China  
Phone: 0755-26050909

|                             |                           |                         |                         |
|-----------------------------|---------------------------|-------------------------|-------------------------|
| 北京实验室: (010)83055000        | 哈尔滨实验室: (0451)58627755    | 内蒙古医学实验室: (0471)3591511 | 武汉实验室: (027)83997127    |
| 北京医学实验室: (010)62450233-8010 | 黑龙江医学实验室: (0451)58603455  | 太原实验室: (0351)7555722    | 武汉医学实验室: (027)85446975  |
| 北京谱尼科技公司: (010)80415661     | 郑州实验室: (0371)69350670     | 成都实验室: (028)87702708    | 杭州实验室: (0571)87219096   |
| 青岛实验室: (0532)88706866       | 郑州谱尼医学实验室: (0371)63279066 | 贵州实验室: (0851)85221000   | 杭州医学实验室: (0571)87219096 |
| 青岛医学实验室: (0532)88706866     | 新疆实验室: (0991)6684186      | 上海实验室: (021)64851999    | 宁波实验室: (0574)87977185   |
| 天津实验室: (022)23607888        | 石家庄实验室: (0311)85376660    | 上海医学实验室: (021)64851999  | 合肥实验室: (0551)63843474   |
| 天津医学实验室: (022)23607888      | 西安实验室: (029)89608785      | 苏州实验室: (0512)62997900   | 深圳实验室: (0755)26050909   |
| 长春实验室: (0431)80530198       | 西安创尼实验室: (029)81123093    | 苏州汽车安全带及儿童安全座椅          | 深圳医学实验室: (0755)26050909 |
| 吉林医学实验室: (0431)80529700     | 西安谱尼医学实验室: (029)62886819  | 碰撞实验室: (0512)62997900   | 广州实验室: (020)89224310    |
| 大连实验室: (0411)87336618       | 西安医学实验室: (029)89608785    | 苏州医学实验室: (0512)62997900 | 南宁实验室: (0771)5518818    |
| 大连医学实验室: (0411)87336618     | 呼和浩特实验室: (0471)3450025    | 武汉车附所: (027)82318175    | 厦门实验室: (0592)5568048    |