



# TEST REPORT

**BUREAU  
VERITAS**

LAB NO. : (2421)133-0191  
DATE : May 26, 2021  
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Applicant:  
**NINGBO ZHANJING OPTICAL INSTRUMENTS CO.,LTD**  
1 XIONGJIA STREET LANGXIA STREET, YUYAO CITY, ZHEJIAN

Date of Submission: 2021-05-13  
Test Period: 2021-05-13 to 2021-05-26

|                     |                        |                         |   |
|---------------------|------------------------|-------------------------|---|
| Sample Description: | Astronomical telescope |                         |   |
| Sample Status :     | Intact                 |                         |   |
| Manufacturer:       | /                      | Buyer:                  | / |
| Style No.(s):       | 22065                  | PO No.:                 | / |
| Country of Origin:  | /                      | Country of Destination: | / |

Test Item(s): Details see attached page(s).

## SUMMARY OF THE ASSESSMENT

| ASSESSMENT Specification – WEEE Directive 2012/19/EU                                |                 |
|---|-----------------|
| Product Category  | Large equipment |
| *Test reuse and recycling rate (%) / Test recovery rate (%)                         | 99/ 100         |
| *Minimum reuse and recycling rate (%) / Minimum recovery rate (%)                   | 80/ 85          |
| <b>Conclusion: The submitted sample complies with the WEEE directive 2012/19/EU</b> |                 |

Note: With the client's prior consent ,the above \* was subcontracted test item.

### REMARK

If there are questions or concerns on this report, please contact the following persons:

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**BUREAU VERITAS CONSUMER PRODUCTS SERVICES (SHANGHAI) CO.,LTD.  
NINGBO BRANCH**



PREPARED BY : \_\_\_\_\_ AMY

\_\_\_\_\_  
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**Photo of the Submitted Sample**



**24211330191**



## TEST RESULT

### 1. General Information:

#### 1.1 Assessment Method:

The sample was disassembled into small parts by using appropriate tools, similar materials of each part were grouped and weighed.

The recovery rate and recycling rate were calculated by the principle of best available technique for recovery, recycling and treatment provided by Cleanaway Dienstleistungs GmbH & Co KG. The disposal percentage is determined based on the European directive 2012/19/EU and 75/442/EEC.

**The material types of the parts are reference to the Bill of Material (BOM) provided by the client.**

**The uncertainty is introduced as to eliminate possible weighting error, rounding up error and other errors. It is computed by the summation of all weighted parts subtracted from the total weight.**

#### 1.2 Disposal and Recovery stated in Waste 75/442/EEC Annex IIA & Annex IIB:

##### 1.2.1 Disposal Operations

- 1.2.1.1 Deposit into or onto land (e.g. landfill, etc.)
- 1.2.1.2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
- 1.2.1.3 **Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)**
- 1.2.1.4 Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
- 1.2.1.5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
- 1.2.1.6 Release into a water body except seas/oceans
- 1.2.1.7 Release into seas/oceans including sea-bed insertion
- 1.2.1.8 Biological treatment not specified elsewhere in the Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered 1.2.1.1 to D 1.2.1.12
- 1.2.1.9 Physico-chemical treatment not specified elsewhere in the Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered 1.2.1.1 to 1.2.1.12 (e.g. evaporation, drying, calcination, etc.)
- 1.2.1.10 Incineration on land
- 1.2.1.11 Incineration at sea
- 1.2.1.12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
- 1.2.1.13 Blending or mixing prior to submission to any of the operations numbered 1.2.1.1 to 1.2.1.12
- 1.2.1.14 Repackaging prior to submission to any of the operations numbered 1.2.1.1 to 1.2.1.13
- 1.2.1.15 Storage pending any of the operations numbered 1.2.1.1 to 1.2.1.14 (excluding temporary storage, pending collection, on the site where it is produced)

##### 1.2.2 Recovery Operations

- 1.2.2.1. Use principally as a fuel or other means to generate energy



- 1.2.2.2. Solvent reclamation/regeneration
- 1.2.2.3. Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
- 1.2.2.4. Recycling/reclamation of metals and metal compounds
- 1.2.2.5. Recycling/reclamation of other inorganic materials
- 1.2.2.6. Regeneration of acids or bases
- 1.2.2.7. Recovery of components used for pollution abatement
- 1.2.2.8. Recovery of components from catalysts
- 1.2.2.9. Oil re-refining or other reuses of oil
- 1.2.2.10. Land treatment resulting in benefit to agriculture or ecological improvement
- 1.2.2.11. Use of wastes obtained from any of the operations numbered 1.2.2.1 to 1.2.2.10
- 1.2.2.12. Exchange of wastes for submission to any of the operations numbered 1.2.2.1 to 1.2.2.11
- 1.2.2.13. Storage of wastes pending any of the operations numbered 1.2.2.1 to 1.2.2.12 (excluding temporary storage, pending collection, on the site where it is produced)

### **1.3 Recycling and Reuse stated in WEEE, Article 3**

#### 1.3.1 Recycling Operation

**“Recycling” means the reprocessing in a production process of the waste materials for the original purpose or for other purposes, but excluding energy recovery which means the use of combustible waste as a means of generating energy through direct incineration with or without other waste but with recovery of the heat.**

#### 1.3.2 Reuse Operation

**“Reuse” means any operation by which WEEE or components thereof are used for the same purpose for which they were conceived, including the continued use of the equipment or components thereof which are returned to collection points, distributors, recyclers or manufacturers.**

### **1.4 Categories of EEE stated in WEEE Annex I:**

- 1.4.1. Temperature exchange equipment
- 1.4.2. Screen, monitors, and equipment screens having a surface greater than 100 cm<sup>2</sup>
- 1.4.3. Lamps
- 1.4.4. Large equipment (any external dimension more than 50 cm)
- 1.4.5. Small equipment (no external dimension more than 50 cm)
- 1.4.6. Small IT and telecommunication equipment (no external dimension more than 50 cm)



### **1.5 List of Abbreviations**

Unless specified, the following abbreviations are used through out this assessment report:

IT: Information technology

WEEE: DIRECTIVE 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE) (recast)

RoHS: DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast)

EEE: Electrical and Electronic Equipment defined under 2012/19/EU, WEEE

PC: Polycarbonate

LED: Light Emitting Device

PCB: Printed Circuit Board

PES: Polyester

IC: Integrated Circuit

NA: Not Applicable

### **1.6 Selective treatment for materials and components of waste electrical and electronic equipment in accordance with WEEE, Article 6 (1), Treatment**

**As a minimum the following substances, preparations and components have to be removed from any separately collected WEEE:**

- 1.6.1. Polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT) (1),
- 1.6.2. Mercury containing components, such as switches or backlighting lamps,
- 1.6.3. Batteries,
- 1.6.4. Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres,
- 1.6.5. Toner cartridges, liquid and pasty, as well as colour toner,
- 1.6.6. Plastic containing brominated flame retardants,
- 1.6.7. Asbestos waste and components which contain asbestos,
- 1.6.8. Cathode ray tubes,
- 1.6.9. Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC),



- 1.6.10. Gas discharge lamps,
- 1.6.11. Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimeters and all those back-lighted with gas discharge lamps,
- 1.6.12. External electric cables,
- 1.6.13. Components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress Council Directive 67/548/EEC relating to the classification, packaging and labelling of dangerous substances (2),
- 1.6.14. Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation (3),
- 1.6.15. Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume)

These substances, preparations and components shall be disposed of or recovered in compliance with Article 4 of Council Directive 75/442/EEC.

1.6.2 The following components of WEEE that is separately collected have to be treated as indicated:

- 1.6.2.1 Cathode ray tubes: The fluorescent coating has to be removed,
- 1.6.2.2 Equipment containing gases that are ozone depleting or have a global warming potential (GWP) above 15, such as those contained in foams and refrigeration circuits: the gases must be properly extracted and properly treated. Ozone-depleting gases must be treated in accordance with Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (4).
- 1.6.2.3 Gas discharge lamps: The mercury shall be removed.



## 2. ASSESSMENT SUMMARY

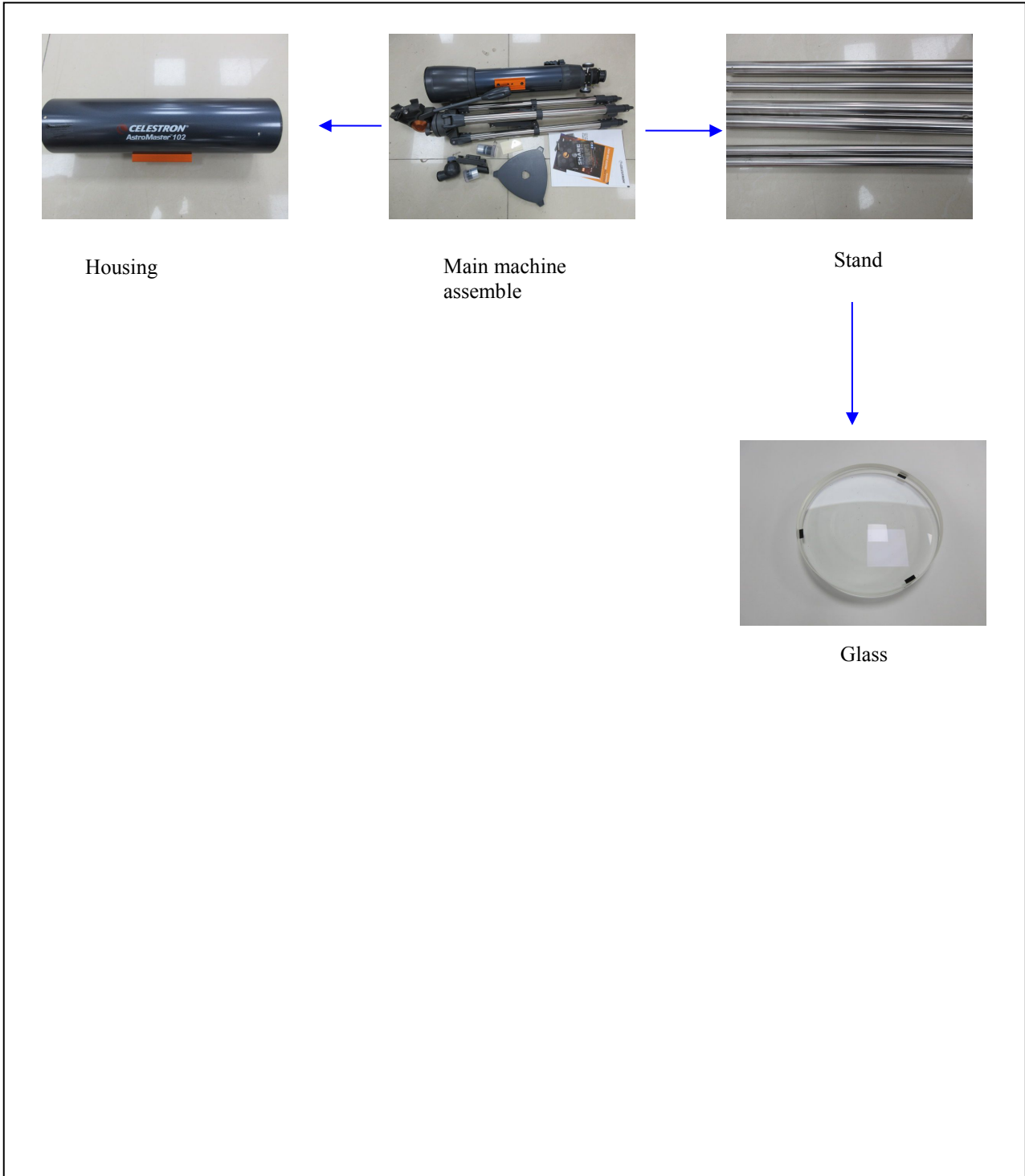
### 2.1 Assessment Summary Table

| No.                          | Description of the sub-assessable | Weight (g)          | Weight (%)   | Reuse | Recycling | Energy Recovery | Disposal |
|------------------------------|-----------------------------------|---------------------|--------------|-------|-----------|-----------------|----------|
| 1                            | Silvery metal with grey coating   | 544                 | 8.9          |       | X         |                 |          |
| 2                            | Silvery metal with black plating  | 170                 | 2.8          |       | X         |                 |          |
| 3                            | Silvery metal                     | 1542                | 25.2         |       | X         |                 |          |
| 4                            | Silvery metal with grey coating   | 1824                | 29.8         |       | X         |                 |          |
| 5                            | Silvery metal                     | 160                 | 2.6          |       | X         |                 |          |
| 6                            | Grey plastic                      | 1048                | 17.1         |       | X         |                 |          |
| 7                            | Black plastic                     | 138                 | 2.3          |       | X         |                 |          |
| 8                            | Transparent plastic               | 14                  | 0.2          |       |           | X               |          |
| 9                            | Translucent plastic               | 18                  | 0.3          |       | X         |                 | X        |
| 10                           | Transparent glass                 | 408                 | 6.7          |       | X         |                 |          |
| 11                           | Orange plastic                    | 11                  | 0.2          |       | X         |                 |          |
| 12                           | Black plastic                     | 4                   | 0.1          |       |           | X               |          |
| 13                           | Silvery metal with orange plating | 92                  | 1.5          |       | X         |                 |          |
| 14                           | Colorful paper                    | 132                 | 2.2          |       | X         |                 |          |
| 15                           | Silvery plastic                   | 15                  | 0.2          |       |           | X               |          |
| <b>Total</b>                 |                                   | <b>6120.00</b>      | <b>100.0</b> |       |           |                 |          |
| Total disassembly time (min) |                                   | 30                  |              |       |           |                 |          |
| Disassembly tools            |                                   | Screwdriver, Pliers |              |       |           |                 |          |

### 2.2 Conclusion

|                          | Product Category Large equipment |             |
|--------------------------|----------------------------------|-------------|
|                          | Actual (%)                       | Request (%) |
| Reuse and recycling rate | 99                               | 80          |
| Recovery rate            | 100                              | 85          |

### 2.3 Recommended Disassembly Sequence





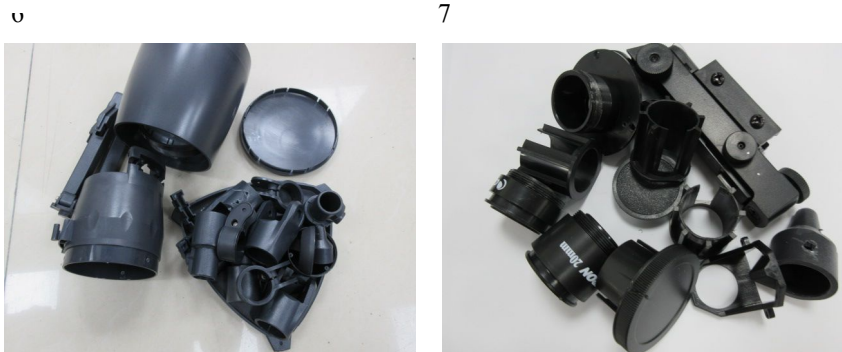
### 3. Assessment Results of the sub-assembly

#### 3.1 Individual Part 1



| Assessed part                      | Part No. | Material | Weight (g) | Weight (%) | Reuse | Recycling | Energy Recovery | Disposal |
|------------------------------------|----------|----------|------------|------------|-------|-----------|-----------------|----------|
| 1 Silvery metal with grey coating  |          | Metal    | 544        | 8.9        |       | X         |                 |          |
| 2 Silvery metal with black plating |          | Metal    | 170        | 2.8        |       | X         |                 |          |
| 3 Silvery metal                    |          | Metal    | 1542       | 25.2       |       | X         |                 |          |
| 4 Silvery metal with grey coating  |          | Metal    | 1824       | 29.8       |       | X         |                 |          |
| 5 Silvery metal                    |          | Metal    | 160        | 2.6        |       | X         |                 |          |

3.1 Individual Part 1



8

9

10



| Assessed part | Part No. | Material            | Weight (g) | Weight (%) | Reuse | Recycling | Energy Recovery | Disposal |
|---------------|----------|---------------------|------------|------------|-------|-----------|-----------------|----------|
| 6             |          | Grey plastic        | 1048       | 17.1       |       | X         |                 |          |
| 7             |          | Black plastic       | 138        | 2.3        |       | X         |                 |          |
| 8             |          | Transparent plastic | 14         | 0.2        |       |           | X               |          |
| 9             |          | Translucent plastic | 18         | 0.3        |       | X         |                 | X        |
| 10            |          | Transparent glass   | 408        | 6.7        |       | X         |                 |          |

3.1 Individual Part 1

11



12



13



14



15



| Assessed part                        | Part No. | Material        | Weight (g) | Weight (%) | Reuse | Recycling | Energy Recovery | Disposal |
|--------------------------------------|----------|-----------------|------------|------------|-------|-----------|-----------------|----------|
| 11 Orange plastic                    |          | Known plastic   | 11         | 0.2        |       | X         |                 |          |
| 12 Black plastic                     |          | Rubber          | 4          | 0.1        |       |           | X               |          |
| 13 Silvery metal with orange plating |          | Metal           | 92         | 1.5        |       | X         |                 |          |
| 14 Colorful paper                    |          | Paper           | 132        | 2.2        |       | X         |                 |          |
| 15 Silvery plastic                   |          | Unknown plastic | 15         | 0.2        |       |           | X               |          |
| <b>Total</b>                         |          |                 | 6120.00    | 100.0      | 0.0%  | 99.2%     | 0.5%            | 0.2%     |

|                               |    |                          |                       |
|-------------------------------|----|--------------------------|-----------------------|
| <b>Disassembly Time (min)</b> | 30 | <b>Disassembly Tools</b> | Screwdriver<br>Pliers |
|-------------------------------|----|--------------------------|-----------------------|



## 4. Appendix

### 4.1 Bill of Material

| 子项物料编码          | 物料名称                          | 材质         |
|-----------------|-------------------------------|------------|
| 1. 01. 01. 0813 | 31045-DS/PRICESMART           | 0          |
| 5. 01. 03. 0618 | 115*85mm 袋                    | 0          |
| 3. 07. 01. 0427 | 31045-DS 彩盒标签/BK389-B         | 0          |
| 5. 01. 03. 0659 | 1060*800mm 尼龙套                | 0          |
| 3. 04. 01. 0016 | 4. 75 磅平衡锤 (深褐色沙面塑)           | 铸铁 HT100   |
| 5. 01. 03. 0206 | BD114-3 #31045 托架内盒           | 0          |
| 5. 01. 03. 0207 | BD114-4 #31045 空盒             | 0          |
| 5. 01. 03. 0214 | BD107-6 方块衬板                  | 0          |
| 2. 01. 0031     | 红点寻星镜                         | 0          |
| 3. 03. 01. 0181 | 40MM 段线(黑色)                   | 0          |
| 3. 03. 01. 0182 | 75MM 段线(黑色)                   | 0          |
| 3. 03. 01. 0137 | 二极管压块                         | ABS        |
| 3. 03. 01. 0143 | 红点固定片(二)                      | ABS        |
| 3. 03. 01. 0061 | 红点镜筒                          | ABS        |
| 4. 01. 0004     | M4*28 十字槽圆柱头螺钉/发黑             | 0          |
| 3. 03. 01. 0180 | 红点光栏                          | 0          |
| 3. 03. 01. 0196 | 红点绝缘片                         | 0          |
| 3. 03. 01. 0142 | 红点固定片(一)                      | ABS        |
| 4. 01. 0017     | M1. 7*4 十字槽盘头螺钉(镀四氟)          | 0          |
| 3. 03. 01. 0060 | 红点镜筒座                         | ABS        |
| 3. 03. 01. 0178 | 红点电池触片(一)                     | 黄铜皮        |
| 3. 03. 01. 0144 | 二极管座                          | ABS        |
| 3. 07. 01. 0274 | FCC/WEEE/ROHS/CE 标签 C/BX191-C | 0          |
| 4. 01. 0002     | M4*25 十字槽沉头螺钉                 | 0          |
| 3. 01. 01. 0112 | 红点物镜镀膜成品                      | 0          |
| 3. 03. 01. 0139 | 红点压圈                          | ABS        |
| 3. 03. 01. 0140 | 红点微调手轮                        | ABS        |
| 3. 03. 01. 0176 | 电位器                           | 0          |
| 3. 03. 01. 0138 | 电位器手轮                         | ABS        |
| 3. 03. 01. 0141 | 红点电池盖                         | ABS        |
| 3. 03. 01. 0179 | 红点电池触片(二)                     | 1Gr18Ni9Ti |
| 3. 03. 01. 0177 | 发光二极管                         | 0          |
| 4. 01. 0005     | M4*25 十字槽盘头螺钉/发黑              | 0          |
| 3. 03. 01. 0001 | 红点寻星镜电池(2032)                 | 0          |
| 5. 01. 03. 0621 | 200*160mm 袋                   | 0          |



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| 3.03.01.0175 | 电阻 240 欧             | 0     |
| 3.06.01.0183 | CELESTRON 基础版本下载卡编码  | 0     |
| 5.01.03.0200 | BD112-4 #31042 附件盒   | 0     |
| 5.01.03.0204 | BD114-1 #31045 主件内盒  | 0     |
| 3.06.01.0257 | 三角形起子                | 0     |
| 3.04.01.0113 | 加大垫圈(二)              | A3    |
| 5.01.03.0628 | 48/58 托架袋(汽泡袋)       | 0     |
| 2.01.0823    | CG3 托架               | 0     |
| 3.04.01.1096 | CG3 蜗轮座(褐色)          | ABS   |
| 4.01.0267    | M5*10 内六角圆柱头螺钉(镀铬)   | 0     |
| 3.04.01.0277 | 12TR-03-21A 蜗杆       | 钢 45  |
| 3.04.01.0204 | 12TR-03-40 垂直度盘指针    | 08F   |
| 3.04.01.0207 | 12TR-03-55 垂直度托盘     | A3    |
| 3.02.01.0786 | TB023-11 CG3 轴盖一(塑料) | ABS   |
| 4.01.0291    | M10 六角薄螺母/镀镍         | 0     |
| 3.04.01.0132 | 支紧螺钉扳手               | 45#钢  |
| 3.04.01.0247 | CG3 方位指针             | 08F   |
| 3.04.01.0290 | 12TR-03-23A 蜗杆轴套     | 钢 45  |
| 3.04.01.0242 | TB09-02-1A 托架螺杆      | 45#   |
| 3.04.01.0243 | 12TR-03-19A 主轴 A     | 钢 45  |
| 3.02.01.0756 | CG3 锁紧手轮             | ABS   |
| 3.02.01.0809 | M5*25 固定螺钉(镀铬)       | 0     |
| 4.01.0322    | M5*16 内六角圆柱头螺钉(黑)    | 0     |
| 4.01.0263    | M10 六角锁紧螺母(镍)        | 0     |
| 3.04.01.0198 | 12TR-03-18 垫圈        | 红钢纸   |
| 3.04.01.0241 | 12TR-03-8A 垫圈        | 红钢纸   |
| 3.04.01.0244 | 12TR-03-6A 度盘托       | 08F   |
| 3.04.01.0027 | CG3 蜗轮(橘色氧化)         | LD30  |
| 5.01.03.0618 | 115*85mm 袋           | 0     |
| 3.04.01.1064 | CG3 蜗杆座(褐色)          | ZL102 |
| 3.04.01.1065 | CG3 摆套(褐色)           | ZL102 |
| 3.04.01.1067 | CG3 拼帽(褐色)           | ZL102 |
| 5.01.03.0665 | 420X360 气泡袋(BF075)   | 0     |
| 3.04.01.0028 | CG3 配重接环(橘色氧化)       | LD30  |
| 3.04.01.1095 | CG3 转座(褐色)           | ZL102 |
| 3.04.01.1069 | CG3 调节手柄(褐色)         | ZL102 |
| 3.04.01.1068 | CG3 配重衬套(褐色)         | ZL102 |
| 3.04.01.1080 | CG3 直角座(褐色)          | ZL102 |
| 3.04.01.1081 | TB023-8 CG3 托座(褐色)   | ZL102 |
| 3.04.01.1066 | CG3 蜗轮座衬套(褐色)        | ZL102 |



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|--------------|---------------------------|---------|
| 3.04.01.0128 | 橡胶垫圈                      | 橡胶      |
| 3.04.01.0291 | TB09-06-9A-1 调节螺杆止退环      | 钢 45    |
| 3.02.01.0758 | TB025-4 CG2 锁紧螺钉          | ABS     |
| 4.01.0443    | GB818-85 M4*14 螺栓 (镀镍)    | 0       |
| 3.04.01.0195 | 12TR-03-13 套筒螺丝           | 钢 45    |
| 4.01.0258    | φ 10 垫圈(薄)                | 0       |
| 3.04.01.0196 | 12TR-03-14 压簧             | 弹簧钢丝    |
| 3.04.01.0240 | TB025-5 滚花螺钉(橘色 021C)     | ABS     |
| 3.02.01.0787 | TB023-16 刻度盘              | PVC     |
| 3.04.01.0186 | 12NTR-03-62 垫圈 (45.5*0.5) | 尼龙 66   |
| 3.04.01.0193 | 12TR-03-11 推杆螺套           | 钢 45    |
| 3.04.01.0246 | 12TR 垂直度盘组 A              | L4      |
| 3.04.01.0249 | TB09-02-16 托架螺杆-B         | 钢 45    |
| 3.04.01.0109 | 垫圈(四)                     | PVC     |
| 3.02.01.0755 | CG3 衬套                    | 尼龙      |
| 4.01.0265    | M2.5*4 十字槽盘头螺钉(镀铬)        | 0       |
| 3.04.01.0279 | 12TR-03-4A 方位转轴           | 钢 45    |
| 3.04.01.0280 | TB09-06-9A 调节螺杆           | 钢 45    |
| 4.01.0805    | M3*6 内六角圆柱头螺钉 (12.9 级)    | 0       |
| 3.04.01.0194 | 12TR-03-12 微调顶杆           | 钢 45    |
| 3.04.01.0245 | 12TR-03-5A 方位度盘 A         | 铝板      |
| 3.02.01.0785 | TB023-11 CG3 轴盖一 (橘色漆)    | ABS     |
| 3.04.01.0117 | 球罗母                       | HPB59-1 |
| 3.04.01.0248 | CG3 小指针                   | 08F     |
| 3.04.01.0202 | E80-B00-12 尼龙垫片           | 尼龙      |
| 3.04.01.0230 | 垫圈 (五)                    | 0       |
| 3.02.01.0962 | M3 罗钉/TJ01-5              | 25#钢    |
| 5.01.03.0218 | BD114-6 #31045 空盒 (二)     | 0       |
| 5.01.03.0657 | 900*600mm 大泡纸             | 0       |
| 2.01.0722    | 31045 主镜筒部件               | 0       |
| 4.01.0118    | ST3*8 十字槽盘头自攻螺钉/发黑        | 0       |
| 3.02.01.0328 | 911-01-5 反光镜座             | 0       |
| 4.01.0083    | M5*16 内六角圆柱头螺钉            | 0       |
| 3.03.01.0167 | 防尘塞-B                     | 0       |
| 4.01.0006    | ST3*9 十字槽盘头自攻螺钉/镀镍        | 0       |
| 4.01.0010    | M3*22 十字槽盘头螺钉 (镀四氟)       | 0       |
| 3.02.01.0594 | 12TR-01-32B 垫块            | 0       |
| 3.02.01.0352 | JT6-0-4 M5 罗母             | 0       |
| 3.02.01.1219 | CE130 主镜座 (黑色无光漆)         | ZL102   |
| 4.01.0112    | M4 六角螺母 (镀四氟)             | 0       |



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| 5. 01. 03. 0737     | CELESTRON 黄色警告吊牌(BK151)    | 0          |
| 3. 02. 01. 0008     | 镜座固定罗钉                     | 25#钢       |
| 3. 02. 01. 0323     | 12TR-01-7 物镜压片             | A3         |
| 3. 02. 01. 0748     | TJ035-3 76 齿轮轴套            | 45 钢       |
| 2. 04. D. CA0051    | D130/R1300 镀膜              | 0          |
| 2. 04. C. CA0051-RG | D130/R1300 二光              | 0          |
| 2. 04. A. ZT0077    | D130/R1300 反光镜 粗磨          | 0          |
| 3. 02. 01. 0246     | TJ03-3 齿轮轴簧片               | 不锈钢皮       |
| 3. 02. 01. 0291     | TJ03-4 齿轴压板                | A3         |
| 3. 02. 01. 0746     | T130-0-4 镜筒盖+465 盖(褐色)     | ABS        |
| 5. 01. 03. 0312     | BD114-7 #31045 主件夹块        | 0          |
| 4. 01. 0033         | φ 4*24 圆柱销-B 型(镀锌)         | 0          |
| 3. 02. 01. 0496     | XJ07-2 寻星镜支架/褐色            | ZL102      |
| 3. 07. 01. 0035     | #31045 型号不干胶               | 0          |
| 3. 02. 01. 0005     | φ 50 齿轴                    | 45#        |
| 3. 02. 01. 0339     | 12TR-01-10 压簧              | 碳素弹簧钢<br>丝 |
| 5. 01. 03. 0766     | BD094-2 SLT80 夹紧块 B (一)    | 0          |
| 3. 02. 01. 0648     | 31045 主镜筒/T0330 蓝灰金属色      | 钢板         |
| 3. 02. 01. 0336     | 12TR-01-29 目镜支座            | ZL102      |
| 4. 01. 0175         | M4*14 内六角圆柱头螺钉(发黑)         | 0          |
| 5. 01. 03. 0768     | BD094-3 SLT80 夹紧块 B (二)    | 0          |
| 3. 02. 01. 0345     | 80S-0-33 拼紧螺母              | ABS        |
| 4. 01. 0170         | φ 2*24 圆柱销                 | 0          |
| 3. 02. 01. 0765     | TJ033-1 手轮                 | ABS        |
| 4. 01. 0014         | M5*25 十字槽半沉头螺钉(发黑)         | 0          |
| 3. 02. 01. 0325     | 12TR-01-9 调节螺母             | A3         |
| 3. 02. 01. 0347     | 80S-0-32 螺钉                | A3         |
| 5. 01. 03. 0593     | 76700 主件内盒隔板/BD055-3(B 瓦楞) | 0          |
| 3. 02. 01. 1473     | C160 下抱箍(褐色)               | ZL102      |
| 5. 01. 03. 0639     | 1000*370 彩袋                | 0          |
| 4. 01. 0013         | M5*18 十字槽半沉头螺钉(镀铬)         | 0          |
| 3. 02. 01. 0766     | TJ033-2 手轮套                | 橡胶         |
| 4. 01. 0676         | φ 4 垫片                     | 0          |
| 3. 02. 01. 0268     | 76 弹簧勾                     | 0          |
| 4. 01. 0046         | ST2. 9*9. 5 十字槽盘头自攻螺钉/发黑   | 0          |
| 3. 02. 01. 1470     | CE130 固定座(褐色)              | ZL102      |
| 3. 02. 01. 1472     | C160 上抱箍(褐色)               | ZL102      |
| 3. 02. 01. 0317     | 12TR-01-33 垫片              | 0          |
| 3. 02. 01. 0874     | 12TR-01-51 调焦镜筒(无光漆)       | ABS        |



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| 3.02.01.0877   | ZT069-7 CE70 托板 (橘红色)          | 6063  |
| 4.01.0087      | M4*12 十字槽沉头螺钉 H型 (四氟)          | 0     |
| 3.02.01.0783   | ZT073-3 CE130 后镜座 (褐色/CELE 丝印) | ZL102 |
| 3.01.01.0055   | φ 40 斜镜 (ZT052)                | 窗玻璃   |
| 3.02.01.0771   | TJ037-1 CE130 调焦座 (褐色)         | ZL102 |
| 3.02.01.0782   | ZT073-1 CE130 前镜框 (褐色)         | ZL102 |
| 3.02.01.0803   | J76-0-3A M5 螺栓 (加长)            | A3    |
| 3.02.01.0648-1 | 31045 主镜筒/T0330 蓝灰金属色          | 钢板    |
| 4.01.0089      | M4*40 内六角平端紧定螺钉 (发黑) 全螺纹       | 0     |
| 4.01.0090      | M4*45 十字槽沉头螺钉 (四氟)             | 0     |
| 4.01.0091      | M4*8 十字槽盘头螺钉 (发黑)              | 0     |
| 4.01.0083      | M5*16 内六角圆柱头螺钉                 | 0     |
| 5.01.03.0662   | 345*230mm 封口袋                  | 0     |
| 3.04.01.0237   | 8V 软轴                          | 0     |
| 5.01.03.0205   | BD114-2 #31045 脚架内盒            | 0     |
| 5.01.03.1319   | 21045 配重块珍珠棉/BD084-6           | 0     |
| 3.02.01.0756   | CG3 锁紧手轮                       | ABS   |
| 3.06.01.0176   | CELESTRON 红点升级版说明书             | 0     |
| 5.01.03.0704   | 绒布 (无字)                        | 0     |
| 2.01.0388      | CELESTRON 10 目镜                | 0     |
| 3.01.01.0092   | 1B 目镜                          | 0     |
| 3.03.01.0531   | 目镜镜筒-B (铝双色氧化)                 | H62   |
| 3.03.01.0165   | MA 目镜眼罩                        | 橡胶    |
| 3.03.01.0575   | MA10 目镜座 (MJ30-1-5S) CELE10    | ABS   |
| 3.03.01.0067   | K10 目镜压圈                       | ABS   |
| 3.03.01.0106   | 目镜盒-D                          | 0     |
| 3.01.01.0091   | 1B 场镜                          | 0     |
| 3.03.01.0787   | 1B 目镜隔圈                        | LD30  |
| 3.03.01.0062   | 1.25 目镜盒盖-D                    | 软聚录乙烯 |
| 2.01.0403      | MA20 正像目镜 (MJ82)               | 0     |
| 3.03.01.0054   | MA20 目镜压圈                      | ABS   |
| 3.01.01.0056   | MA20 目镜 01/02                  | 0     |
| 4.02.0108      | O 型密封圈 22*1                    | 橡胶    |
| 5.01.03.0620   | 150*90mm 袋                     | 0     |
| 3.03.01.0259   | PLANE-D01-3 压圈                 | 0     |
| 3.03.01.0373   | MJ82-2 MA20 正像目镜光栏             | ABS   |
| 3.03.01.0165   | MA 目镜眼罩                        | 橡胶    |
| 3.01.01.0057   | MA20 目镜 03                     | ZK7   |
| 3.01.01.0094   | 半五角棱镜 (合格品)                    | K9    |
| 3.03.01.0790   | 1B 棱镜座                         | ABS   |





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| 3.03.01.0791 | 1B 棱镜压圈                | ABS     |
| 3.03.01.0056 | MA20 目镜隔圈              | ABS     |
| 3.03.01.0416 | MA20 正像目镜座 (CELESTRON) | ABS     |
| 3.03.01.0186 | 防尘盖 (一)                | 0       |
| 3.01.01.0093 | 屋脊棱镜 (合格品)             | K9      |
| 3.03.01.0771 | WS821 II 棱镜隔板          | 0       |
| 3.06.01.0175 | CELESTRON 插页           | 0       |
| 3.04.01.0723 | 配重杆                    | 35#     |
| 3.06.01.0027 | CELESTRON UK 注册卡       | 0       |
| 3.06.01.0040 | CELESTRON 四国语言说明书光盘    | 0       |
| 5.01.02.0309 | 200-C#卡通箱 (BA174-C)    | 0       |
| 3.06.01.0182 | CELESTRON 基础版本下载卡      | 0       |
| 3.02.01.0788 | CG3 锁紧顶住               | 0       |
| 5.01.03.0633 | 配重杆袋                   | 0       |
| 2.01.0916    | JB025 脚架 (CG3)         | 0       |
| 4.01.0470    | φ 3.2*7 封闭型扁圆头抽芯铆钉 (铝) | 0       |
| 3.05.01.0497 | JB025-6 支架脚 (褐色)       | ABS     |
| 4.01.0471    | φ 3.2*9 封闭型扁圆头抽芯铆钉 (铝) | 0       |
| 4.01.0433    | M4 六角锁紧螺母 (镀镍)         | 0       |
| 3.05.01.0501 | JB025-14 接头 (褐色)       | ABS     |
| 5.01.03.0639 | 1000*370 彩袋            | 0       |
| 3.05.01.0458 | JB025-7 外管衬圈           | ABS     |
| 3.05.01.0500 | JB025-13 外管套圈 (褐色)     | PA66    |
| 3.05.01.0494 | GOTO 脚架锁紧手轮 (褐色)       | ABS     |
| 3.05.01.0495 | JB025-2 管接套筒 (褐色)      | ABS     |
| 3.05.01.0496 | JB025-5 连接套筒 (褐色)      | ABS     |
| 3.05.01.0499 | JB025-12 连杆 (褐色)       | ABS     |
| 3.05.01.0498 | JB025-11 零件盘 (褐色)      | ABS     |
| 4.01.0436    | φ 8 垫圈 (镀黑锌)           | 0       |
| 4.01.0441    | GB70-85 M6X45 螺栓 (镀镍)  | 0       |
| 3.05.01.0459 | JB025-8 衬块             | 08F     |
| 3.05.01.0015 | JB025-3 外管             | 不锈钢 202 |
| 4.01.0285    | M10 六角螺母 (镀镍)          | 0       |
| 4.01.0444    | GB818-85 M4*25 螺栓 (镀镍) | 0       |
| 3.02.01.0754 | CG3 拼紧手轮 (深褐色)         | ABS     |
| 4.01.0443    | GB818-85 M4*14 螺栓 (镀镍) | 0       |
| 3.05.01.0018 | JB025-4 内管             | 不锈钢 202 |
| 4.01.0442    | M6 六角螺母 (镀镍)           | 0       |
| 3.05.01.0075 | TB023-1 CG3 三角底座 (褐色)  | ZL102   |
| 5.01.01.0062 | #31045 彩盒              | 0       |



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| 5.01.03.0085 | 21045 配重块盒                            | 0 |
| 3.06.01.0217 | AstroMaster EQ 系列通用英文说明书              | 0 |
| 3.06.01.0052 | AstroMaster 76/114/130 EQ 四国语言快速安装说明书 | 0 |
| 5.01.03.1316 | 配重块珍珠棉衬块/BD084-6C                     | 0 |

END