

Chemistry Test Report

Report No.C201602047

| | |
|--------------------|---|
| Name of Sample | Multimaster |
| Model/Material | WX682.9 |
| Client | Group Quality Dept. |
| Approved by / Post | Haydn Cui/ PCTC Director |
| Issue Date | March 4, 2016 POSITEC TECHNOLOGY (CHINA) CO.,LTD 宝时得科技(中国)有限公司检测中心 检测报告专用章 Only for test report |
| Result: | details on following pages |

Positec Technology (China) Co., Ltd Testing Center

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Remarks

1. This report is only valid with the seal of Positec Technology (China) Co., Ltd Testing Center
2. This report shall not be reproduced except in full.
3. The results refer only to the investigated samples.
4. If differ in opinion of this report ,please notify our lab within 15days.

Chemistry Test Report

| | | | | | |
|-----------------------------|--|------------------------|-------------------|---------------------|------------------------------------|
| Application by | Group Quality Dept. | Amount of test samples | 1 | Arrival date in Lab | February 29, 2016 |
| | | | | Test period | February 29, 2016 to March 4, 2016 |
| Applicant | Name: Nicole Zhang Tel: 0512-67631888 Address: 18# Dongwang Road, Suzhou Industrial Park | | | | |
| Descriptions of the Samples | Test item | Number of sample | Marking on sample | Remark | |
| | RoHS | C1602057 | Multimaster | Pass | |
| | | Hereinafter is blank | | | |
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| Test method | Test item | Test method | | Measured equipment | |
| | Pb | IEC62321-5:2013 | | ICP-OES | |
| | Cr(VI) | IEC62321:2008 | | UV/VIS | |
| | PBB, PBDE | IEC62321:2008 | | GC-MS | |
| | Cd, Hg, Pb, Cr, Br | IEC62321-3-1:2008 | | XRF | |
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| Compiled by | Wenjing Du | Date March 4, 2016 | Reviewed by | Shujian Dong | Date March 4, 2016 |
| Signature | <i>Wenjing Du</i> | | Signature | <i>Shujian Dong</i> | |

XRF Test Data Summary

Result Summary:

| Number of sample | Part Name | Unit | Cd | Pb | Hg | Cr | Br | Verdict |
|------------------|----------------------|-------|----|-----|----|-------|----|------------------|
| 1 | Self Tapping Screw | mg/kg | ND | 171 | ND | 883 | NA | Cr-inconclusive* |
| 2-1 | Left/Right Housing | mg/kg | ND | ND | ND | 25 | ND | Pass |
| 2-2 | Black soft plastic | mg/kg | ND | 8 | ND | 14 | ND | Pass |
| 2-3 | Orange plastic | mg/kg | ND | 10 | ND | 15 | ND | Pass |
| 3 | Bearing | mg/kg | ND | ND | 93 | 91 | NA | Pass |
| 4 | Pendulum Fork | mg/kg | ND | 72 | ND | 12571 | NA | Cr-inconclusive* |
| 5-1 | Silvery metal case | mg/kg | ND | 52 | ND | 13210 | NA | Cr-inconclusive* |
| 5-2 | Black metal ring | mg/kg | ND | ND | ND | 69 | NA | Pass |
| 5-3 | Silvery metal holder | mg/kg | ND | 150 | ND | 89 | NA | Pass |
| 5-4 | Silvery metal ball | mg/kg | ND | 60 | ND | 12204 | NA | Cr-inconclusive* |
| 6 | Spindle | mg/kg | ND | 75 | ND | 9954 | NA | Cr-inconclusive* |
| 7 | Compression Spring | mg/kg | ND | 88 | ND | 179 | NA | Pass |
| 8 | Retaining Ring | mg/kg | ND | 88 | ND | 198 | NA | Pass |
| 9 | Orientation Sleeve | mg/kg | 39 | ND | ND | 707 | NA | Cr-inconclusive* |
| 10 | Ball bearing | mg/kg | ND | 35 | ND | 12899 | NA | Cr-inconclusive* |
| 11 | Ring | mg/kg | ND | 524 | ND | 1296 | NA | Cr-inconclusive* |
| 12 | Ball Bearing | mg/kg | ND | 45 | ND | 13371 | NA | Cr-inconclusive* |
| 13 | Washer | mg/kg | ND | 112 | ND | 653 | NA | Pass |
| 14 | Counterweight | mg/kg | 22 | 174 | ND | 418 | NA | Pass |
| 15 | Washer | mg/kg | ND | 55 | ND | 271 | NA | Pass |
| 16 | Bearing 6201 | mg/kg | ND | 112 | ND | 13109 | NA | Cr-inconclusive* |
| 17 | Output Spindle | mg/kg | ND | 65 | ND | 8616 | NA | Cr-inconclusive* |
| 18 | Washer | mg/kg | ND | 161 | ND | 176 | NA | Pass |
| 19 | Fan | mg/kg | ND | ND | ND | 14 | ND | Pass |

| Number of sample | Part Name | Unit | Cd | Pb | Hg | Cr | Br | Verdict |
|------------------|---------------------------------------|-------|----|-----|----|------|-------|------------------|
| 20 | Gear | mg/kg | ND | ND | ND | 8 | ND | Pass |
| 21 | Pinion | mg/kg | ND | ND | ND | 337 | NA | Pass |
| 22 | Screw washer assembly | mg/kg | ND | 218 | ND | 1242 | NA | Cr-inconclusive* |
| 23-1 | Motor case | mg/kg | ND | 57 | ND | 174 | NA | Pass |
| 23-2 | Silvery metal | mg/kg | ND | 58 | ND | 1784 | NA | Cr-inconclusive* |
| 23-3 | White plastic | mg/kg | ND | ND | ND | 20 | ND | Pass |
| 23-4 | Black magnet | mg/kg | ND | ND | ND | 566 | NA | Pass |
| 23-5 | Black metal | mg/kg | ND | 142 | ND | 302 | NA | Pass |
| 23-6 | Coppery metal | mg/kg | ND | ND | ND | 72 | NA | Pass |
| 23-7 | Coppery metal | mg/kg | 4 | ND | ND | 62 | NA | Pass |
| 23-8 | Coppery metal | mg/kg | ND | 92 | ND | ND | NA | Pass |
| 23-9 | Coppery metal wire | mg/kg | ND | ND | 91 | 153 | NA | Pass |
| 23-10 | Carbon brush graphite | mg/kg | ND | 64 | ND | 45 | NA | Pass |
| 23-11 | Red plastic | mg/kg | ND | ND | ND | 5 | ND | Pass |
| 23-12 | Yellow plastic filling | mg/kg | ND | ND | ND | 32 | ND | Pass |
| 23-13 | Silvery metal spindle | mg/kg | ND | 212 | ND | 0 | NA | Pass |
| 24 | Rubber Washer | mg/kg | ND | 70 | ND | 46 | ND | Pass |
| 25-1 | Knob | mg/kg | ND | 6 | ND | ND | 13279 | Br-inconclusive* |
| 25-2 | Green PCB | mg/kg | ND | ND | ND | ND | 3795 | Br-inconclusive* |
| 25-3 | Black plastic | mg/kg | ND | 11 | ND | ND | 37432 | Br-inconclusive* |
| 25-4 | Golden metal pin with silvery plating | mg/kg | ND | 52 | ND | 87 | NA | Pass |
| 25-5 | Silvery metal | mg/kg | ND | 87 | 83 | ND | NA | Pass |
| 25-6 | Blue plastic wire jacket | mg/kg | ND | ND | ND | 10 | ND | Pass |
| 25-7 | Red plastic wire jacket | mg/kg | ND | ND | ND | 14 | ND | Pass |
| 25-8 | Black plastic wire jacket | mg/kg | ND | ND | ND | 12 | ND | Pass |

| Number of sample | Part Name | Unit | Cd | Pb | Hg | Cr | Br | Verdict |
|------------------|-----------------------------|-------|----|-------|-----|-------|-------|------------------|
| 25-9 | Choke | mg/kg | ND | 47 | ND | 265 | NA | Pass |
| 25-10 | Black EC | mg/kg | ND | 24 | ND | 35 | 7970 | Br-inconclusive* |
| 25-11 | White plastic | mg/kg | ND | ND | ND | 12 | ND | Pass |
| 25-12 | Silvery metal solder | mg/kg | ND | 302 | ND | ND | NA | Pass |
| 25-13 | Black plastic | mg/kg | ND | ND | ND | 14 | ND | Pass |
| 25-14 | Coppery metal rod | mg/kg | ND | 13245 | ND | 122 | NA | Pb-inconclusive* |
| 25-15 | Silvery metal wire | mg/kg | ND | ND | ND | ND | NA | Pass |
| 26 | Switch Lever | mg/kg | ND | ND | ND | 24 | ND | Pass |
| 28 | Rubber Pin | mg/kg | ND | 57 | ND | 15 | ND | Pass |
| 29 | Light Cover | mg/kg | ND | ND | ND | ND | ND | Pass |
| 31-1 | Black plastic | mg/kg | ND | 22 | ND | 107 | ND | Pass |
| 31-2 | Sponge | mg/kg | ND | ND | ND | 8 | ND | Pass |
| 31-3 | Black metal | mg/kg | ND | 160 | ND | 217 | NA | Pass |
| 31-4 | Screw | mg/kg | ND | 346 | ND | 684 | NA | Pass |
| 32 | Screw Assembly | mg/kg | ND | 109 | ND | 10320 | NA | Cr-inconclusive* |
| 33-1 | Switch button | mg/kg | ND | 25 | ND | ND | 42810 | Br-inconclusive* |
| 33-2 | White plastic | mg/kg | ND | 15 | ND | ND | 51843 | Br-inconclusive* |
| 33-3 | Silvery metal | mg/kg | ND | ND | 196 | ND | NA | Pass |
| 33-4 | Spring | mg/kg | ND | 94 | ND | 295 | NA | Pass |
| 33-5 | Silvery metal contact point | mg/kg | ND | ND | ND | ND | NA | Pass |
| 40 | Spanner | mg/kg | ND | 65 | ND | 159 | NA | Pass |
| 41 | Bolt and Gasket | mg/kg | ND | 98 | ND | 8786 | NA | Cr-inconclusive* |

Remark

- (1) mg/kg = part per million = mg/kg
 (2) "Pass" – If the result of the quantitative analysis is lower than the limits listed in table.
 (3) "Inconclusive" – If the result of the quantitative analysis is higher than the limits listed in table, the analysis is inconclusive. Chemical analysis must be performed.
 (4)"Number of sample"- refer to exploded View Parts Drawing as below.
 (5)NA = Not applicable

| Element | Polymer Materials | Metallic Materials | Electronics |
|---------|-------------------------------|-------------------------------|-------------------------------|
| Cd | X> 50Inconclusive, X≤50Pass | X> 50Inconclusive, X≤50Pass | X> 250Inconclusive, X≤250Pass |
| Pb | X> 700Inconclusive, X≤700Pass | X> 700Inconclusive, X≤700Pass | X> 500Inconclusive, X≤500Pass |
| Hg | X> 700Inconclusive, X≤700Pass | X> 700Inconclusive, X≤700Pass | X> 500Inconclusive, X≤500Pass |
| Br | X> 300Inconclusive, X≤300Pass | Detection not possible | X> 250Inconclusive, X≤250Pass |
| Cr | X> 700Inconclusive, X≤700Pass | X> 700Inconclusive, X≤700Pass | X> 500Inconclusive, X≤500Pass |

Chemistry Test Data Summary

Result Summary:

| Item | Limit mg/kg | MDL mg/kg | 25-14** |
|----------------|-------------|-----------|---------|
| Pb | 1000 | 5 | 16560 |
| Verdict | | | Pass |

| Item | Limit* mg/kg | MDL mg/kg | 1 | 4 | 5-1 | 5-4 | 6 | 9 |
|----------------|--------------|-----------|------|------|------|------|------|------|
| Cr(VI) | 1000# | 5# | N | N | N | N | N | N |
| Verdict | | | Pass | Pass | Pass | Pass | Pass | Pass |

| Item | Limit* mg/kg | MDL mg/kg | 10 | 11 | 12 | 16 | 17 | 22 |
|----------------|--------------|-----------|------|------|------|------|------|------|
| Cr(VI) | 1000# | 5# | N | N | N | N | N | N |
| Verdict | | | Pass | Pass | Pass | Pass | Pass | Pass |

| Item | Limit* mg/kg | MDL mg/kg | 23-2 | 32 | 41 |
|----------------|--------------|-----------|------|------|------|
| Cr(VI) | 1000# | 5# | N | N | N |
| Verdict | | | Pass | Pass | Pass |

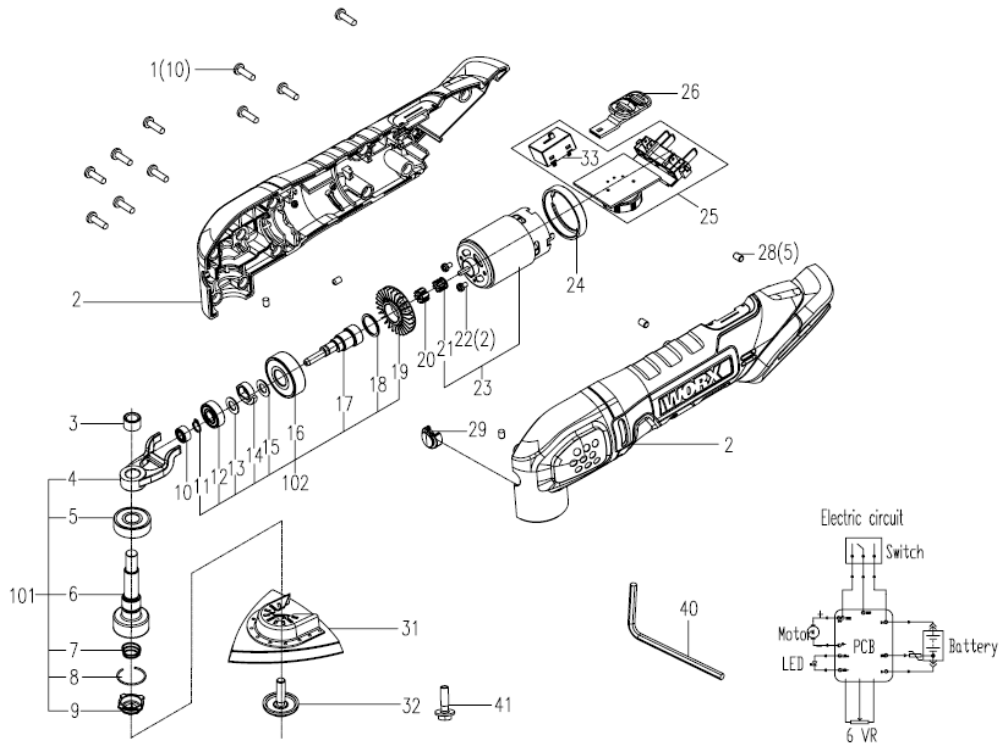
| Item | Limit* mg/kg | MDL mg/kg | 25-1 | 25-2 | 25-3 | 25-10 | 33-1 | 33-2 |
|--------------------------|--------------|-----------|------|------|------|-------|------|------|
| Monobromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Dibromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Tribromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Tetrabromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Pentabromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Hexabromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Heptabromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Octabromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Nonabromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Decabromobiphenyl | - | 50 | ND | ND | ND | ND | ND | ND |
| Sum PBBs (Mono to Deca) | 1000 | - | ND | ND | ND | ND | ND | ND |
| Monobromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Dibromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Tribromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Tetrabromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Pentabromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Hexabromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Heptabromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Octabromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Nonabromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Decabromodiphenyl ether | - | 50 | ND | ND | ND | ND | ND | ND |
| Sum PBDEs (Mono to Deca) | 1000 | - | ND | ND | ND | ND | ND | ND |

| | | | | | | |
|---------|------|------|------|------|------|------|
| Verdict | Pass | Pass | Pass | Pass | Pass | Pass |
|---------|------|------|------|------|------|------|

Remarks:

- 1) # is only for alloy's coating: "P"= "positive" is the presence of Hexavalent Chromium on the tested areas; "N"= "negative" is the absence of Hexavalent Chromium on the tested areas.
- 2) ND = Not Detected = content of specific chemical is below report limit.
- 3) MDL =Method detect Limit
- 4) "-" = Not Regulated
- 5) "***" is for the RoHS exemption 6c "Copper alloy containing up to 4 % Lead by weight.

Exploded View Parts Drawing:



Photo/s:



-----End of Report-----