



TEST REPORT

| Reference No | : | WTF17F1194899A2R1C |
|--------------|------------|---|
| Applicant | + : | Mid Ocean Brands B.V. |
| Address | .34 | Unit 201 2/F., Laford Centre, 838 Lai Chi Kok Road, Cheung Sha Wan, Kowloon, Hong Kong. |

114889

Sample Name 5000mAh power bank

Model No.: MO9209

Manufacturer

Test Requested..... In accordance with the RoHS Directive 2011/65/EU

Test Method: 1) With Reference to IEC 62321-2:2013, disassembly, disjointment and

mechanical sample preparation

2) With Reference to IEC 62321-3-1:2013, screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry

3) With reference to IEC62321-4:2013, determination of Mercury by ICP-OES

4) With reference to IEC62321-5:2013, determination of Lead and Cadmium by ICP-OES

5) With reference to IEC 62321-7-2: 2017 and IEC 62321-7-1:2015, determination of Hexavalent Chromium by UV-Vis

6) With reference to IEC62321-6:2015, determination of PBBs and PBDEs by GC-MS

Test Conclusion Based on the performed tests on the submitted samples, the results

comply with the RoHS Directive 2011/65/EU

Date of Receipt sample 2017-11-10 & 2017-11-20 & 2017-12-08 & 2017-12-19

Date of Test 2017-12-19 to 2017-12-20

Date of Issue 2017-12-21

Test Result Please refer to next page (s)

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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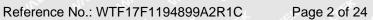
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Compiled by:

April.Chen / Project Engineer

Zhápa / Lab Manager

Approved





Test Results:

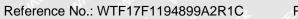
| Part No. | Part Description | Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|-------------|--|---------------|---------|---|--------------------|
| TEX | THE SITE WITE WALL WE | Cd | BL | at at the | TEX |
| | m m m | Pb | BL | in white walk | Mr. M |
| _1 | Black coating | Hg | BL | NA | Comply |
| | The whole was an | Cr | BL | TEX STEE STEE | WILL WILL |
| 2. | a start set set | Br | BL | The Mr. M. | |
| | in with whi whi was | Cd | BL | et let let | TER OLIVE |
| | Transparent plactic shall without | Pb | BL | with the the | 21, |
| 2 | Transparent plastic shell without black coating | Hg | BL | L NA | Comply |
| | black coalling | Cr | BL | ie alie white white | MIL |
| ٠ | LEX LEX LIEX OF | Br | M BL | 14, 12, | at |
| | ULL MULL MULL MULL MI | Cd | ↓ BL | t TEX TIES STEE | المال المال |
| | at the second | Pb | BL | ar any an | 20. |
| 3 | Black rubber sucker | Hg | BL | NA NA | Comply |
| 2 4 2 A | My My | Cr | BL | WILL WILL MALL W | |
| | t tex itex it with a | Br W | BL | <u> </u> | |
| W. | The The The | Cd | BL | I'M SITE WITE WITE | Comply |
| | at at a second | Pb | BL | Mark MARK WILLER | |
| 4 | White adhesive plastic tape | Hg | BL | | |
| | The state of the s | Cr | BL | | |
| | TEX LIFE SLITE SUN | Br | BL | | |
| 11 | 24, 24, | Cd | BL | NA NA | Comply |
| | + | Pb | BL | | |
| 5 | Transparent plastic sheet without black coating | Hg | ← BL+ | | |
| | black coalling | Cr | BL | | |
| | and will all | Br | BL | | |
| n- | | Cd | BL | The Mr. | 10, |
| | The second state is a without | Pb | BL | the set | A EX |
| 6 | l ransparent plastic ring without black coating | Hg | BL | NA | Comply |
| | black coalling | Cr | BL | 70, 72, | * |
| | The Multi Multi Multi Au | Br | BL | TEX TEX STEE | NITE WIT |
| 12. | | Cd | BL | Mir Mr. M. A. | |
| | A SLIFE WILL WALL WALL | Pb | BL | at at let . | LEK LIET |
| 7 | Black plastic button | .∕√Hg .√ | BL | NA NA | Comply |
| <u>_</u> + | TEX TEX LIER OLIES ON | Cr | BL | | t let |
| | are are ar | → Br → | BL | ie life alife antic | WILL |
| 4 | t at at all of | Cd | Nr. BLV | 24. 24. | |
| | The second second | Pb | BL | L LET TEX TEX | Comply |
| 8 | Silvery metal screw with black | Hg | BL | NA WA | |
| | coating | Cr | BL | + + + | TEX JE |
| | Mr. M. M. | Br | BL | atter out of the | . W. |



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| | 4 | X. |
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| Part No. | Part Description | Description Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|---------------------------------------|---------------------------------|---------------------------|---------|---|--------------------|
| LEX- | TEX SITE SITE MITTER | Cd | BL | at at all | TEX |
| | | Pb | BL | alie white white | Mr. M |
| 9 | Transparent plastic sheet of | Hg | BL | NA | Comply |
| (L) | display | Cr | BL | TEX LIER NITES. | INLIE WALT |
| ~ | and the set set | Br | BL | 21 Th. 211 1 | |
| | with white wall was | Cd | BL | et let itet i | IER OLIVE |
| The. | The state of | Pb | BL | in, mi, mur mu | 7,, |
| 10 | White plastic sheet of display | Hg | BL | NA NA | Comply |
| ur. | Mr. Mr. M. | Cr | BL | | Wr. 1 |
| | at let let liet o | Br | M BL | 11, 22, | <i>*</i> |
| , , , , , , , , , , , , , , , , , , , | VII MUT AND AND AND | Cd | ↓ BL | t TEX TEX STE | יועיי יועי |
| | 1 1 1 1 | Pb | BL | in m. m. | 20 |
| 11 | White plastic sheet of display | Hg | BL | NA NA | Comply |
| In. | M. M. 2. | Cr | BL | WILL WALL MALL W | |
| .4 | t tex itex all write | Br W | BL | 5 4 A | |
| Wr. | mer me m | Cd | BL | I I'M SLIFE WITH WAL | Comply |
| | at left of the | Pb | BL | nntiet NA et mite | |
| 12 | Silvery plastic film of display | Hg | BL | | |
| | r. s. | Cr | BL | | |
| EK | TEX STER STEE | Br | BL | | |
| 21 | 24, 25, | Cd | BL | NLTE WALL WALL | Comply |
| | ex rex rex life | Pb | BL | | |
| 13 | Yellow plastic tape of display | Hg | BL | NA NA | |
| | the state of the state of | Cr | BL | L' Mr. Mr. M. | |
| TEX | with will will ret | Br | BL | to the set of | LIER |
| n. | | Cd | BL | In Mr. Mr. | 10, 1 |
| EX | TEX S | Pb | BL | ADD AD | AEX. |
| 14 | Chip LED | Hg | BL | PBBs : ND | Comply |
| 4 | at let tex tex text or | Cr | BL | PBDEs : ND | * * |
| | it with mut and | Br | IN | TEX TEX STEE | ALTE MALT |
| 7, | | Cd | BL | Wer Aug Any A | |
| | A SLIER WILL MALL WALL | Pb | BL | at at let . | EK LIER |
| 15 | Solder | Hg | BL | NA NA | Comply |
| - CX | TEX TEX TEX STEEL | Cr | BL | | + Et |
| VI, | Whi. Aut. My. M. | → Br → | BL | E LIET CLIEB MILE | William |
| | A A A A A | Cd | Nr. BLV | 74, 74, 2, | |
| E | LIE WALL WALL WALL W | Pb | BL | L DDD LLD JEH | WILL WI |
| 16 | White PCB | Hg | BL | PBBs : ND | Comply |
| + | EL STEL STEL WILL MUL | Cr | BL | PBDEs : ND | TEX JE |
| "ILL | Mr. M. M. | Br | IN | ate with with a | ir. mur |





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| J. | |
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| Part No. | Part Description | otion Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|---------------------------------------|----------------------------------|---------------------|---------|---|--------------------|
| EX | TEX ITE NITE INIT IN | Cd | BL | | TEX |
| | mr mr m | Pb | BL | OLIEN WILL WALL | MUT. M |
| 17 | Transparent glue | Hg | BL | NA | Comply |
| - 10 | rie nur mur mur m | Cr | → BL → | TEX LIEX WIFE | |
| 20, | | Br | BL | why has my | |
| | alife milit was was | Cd | BL | at at let | IET LITE |
| m. | 111 111 | Pb | IN | With My My | 211. |
| 18 | Solder | Hg | BL | Pb :254 | Comply |
| المارا | Mer. Mr. Mr. M. | Cr | BL | il still nite with | MILL |
| .L | A BY TEX TEXT | Br | W Bran | - M. M. A. | * |
| TE. | ME WE WE THE | Cd | ∠ BL | F TEX SEX STE | المال المال |
| 7 | | Pb | BL | are are | 20. 10. |
| 19 | Black plastic wire covering | Hg | BL | NA NA | Comply |
| In | 711 721 7 | Cr | BL | The Walt Mail M | |
| .6 | t tet itet it mit | Br W | BL | | |
| W. | The Mr. M. | Cd | BL | crist action mile and | " "AVI" |
| , , , , , , , , , , , , , , , , , , , | at at a stell | Pb | BL | 241, 241, 2. | |
| 20 | Silvery metal wire | | Comply | | |
| | | Cr | BL | white whe will | TEX I |
| EX | TEX SLIES SLIES NO | Br | BL | | |
| 12 | 10, 20, | Cd | BL | neite uneit wat. | |
| | ex rex rex ries | Pb | BL | | |
| 21 | Red plastic wire covering | Hg | F BL | NA NA | Comply |
| | A ST SET SET | Cr | BL | in the sure of | |
| LIER | Carl mail and | Br | BL | LEW TEX IT | X CLIER |
| | 2. 2. | Cd | BL | I WE WILL WILL | 10, |
| TEX | TEC V 3 V SS SS | Pb | BL | and the same | TEX |
| 22 | Silvery metal shell of socket | Hg | BL | NA | Comply |
| _ | at let let liter in | Cr | BL | 10 20 | .* · |
| | it with mer me in | Br | BL | LET JEK JEK | |
| 20. | . I st set set | Cd | BL | Wife My My 2 | |
| | atter with white white | Pb | BL | at let text | EX CITE |
| 23 | Dark grey plastic core of socket | Hg | BL | NA NA | Comply |
| EX | TEX LIFE SLIFE MILE. | Cr | BL | . L . L . L | + TEX |
| | We we will | Br | BL | E SITE SLIP MILL | Wr. 1 |
| .4 | et et tet stet u | Cd | IL BLIN | 24, 24, 2 | 24 |
| | original and any | Pb | BL | - TEX LIER LIFER | WILL WA |
| 24 | Silvery metal pin of socket | Hg | BL | NA | Comply |
| | EX WILL WILL MILL MILL | Cr | BL | at at let | TEX TE |
| 11/10 | 20, 20, | Br | BL | WILL MULL MILL | 70 |



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| V | | ľ |
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| Part No. | Part Description | Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|-------------|---------------------------------------|---------------|---------|--|--------------------|
| EX | TEN LIFE NITE MIT W | Cd | BL | L At At | TEX |
| | mr mr m | Pb | BL | CLIER WILL WALL | mr. m |
| 25 | Silvery metal shell of socket | Hg | BL | NA | Comply |
| ~10 | rie nur aur au | Cr | → BL → | TEX LIEX LIEX | NLTE MIL |
| 10. | | Br | BL | Mir. Mr. M. A | |
| | alte mit was war | Cd | BL | et et tet | TER LITE |
| m. | 70, 70 | Pb | BL | ulit will mur we | 211. |
| 26 | Dark grey plastic core of socket | Hg | BL | NA - | Comply |
| N.C. | Mr. Mr. M. W. | Cr | BL | TE SLIE MILL NALL | MILL |
| 1 | at let let let let a | Br | on Bran | In in a | * |
| | With the Mer Mr. Mr. | Cd | , ∠ BL | t let de de | INLIE NA |
| 1 | | Pb | BL | ar mr mr | 20. 20. |
| 27 | Chip IC | Hg | BL | PBBs : ND | Comply |
| -m | 111, 111, 21 | Cr | BL | PBDEs : ND | |
| .0 | t ret itel it with | Br | IN | <u> </u> | |
| MILL | The Mr M | Cd | BL | SER SIE WITE WITE | Comply |
| 3 | at at a | Pb | BL | - 141, 141, 12, 12, 12, 12, 12, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14 | |
| 28 | Silvery metal cover of switch | Hg | BL | NA TO THE | |
| | | Cr | BL | | |
| EX | TEX LITER NITE ONLY | Br | BL | | |
| 1/1 | 211 21. | Cd | BL | Et wit NA | Comply |
| | David was a plantia kas atmaka at | Pb | BL | | |
| 29 | Dark grey plastic keystroke of switch | Hg | BL | | |
| 700 | SWITCH | Cr | BL | | |
| LIEV | Care and wall and | Br | BL | t certain | A CLIER |
| 11 | 2, 3, 1 | Cd | BL N | MUT MILE | In. |
| LEX. | TEG V S V SS V | Pb | BL | The sale | TEX |
| 30 | Silvery metal sheet of switch | Hg | BL | Cr ⁶⁺ : Negative | Comply |
| _ | at let let tex out | Cr | IN | 70, 72, | * |
| | it will my my | Br | BL | TEX ITEX LITER | ملتك ماملنا |
| 6 | | Cd | BL | Mar Mr. Mr. 2 | |
| | A STEEL WITE WALL WALL | Pb | BL | at let let | EX LIET |
| 31 | White plastic shell of switch | Hg | BL | NAC' WE | Comply |
| 11 | TEX TEX STEEL WITE IN | Cr | BL | | + LEX |
| VIII | me me me | Br 🖈 | BL | E LITER OLITE MILIT | "NV " |
| .1 | it lit tet itet uit | Cd | N BL | 24. 24. | 1.1 |
| E | WILL MULL MULL IN | Pb | BL | - TEX TEX TEX | WILL VA |
| 32 | Silvery metal pin of switch | Hg | BL | NA W | Comply |
| ļ- | EX STEE STEE MALL WALL | Cr Cr | BL | at at all | TEX JE |
| MU | 211 211 21 | Br | BL | a It will will we | in the |



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| | V | | |
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| Part No. | Part Description | Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|-------------|-----------------------------------|---------------|---------|--|--------------------|
| , Et | TEX ITER SITE WITH N | Cd | BL | i it it it | TEX |
| | mr m m | Pb | BL | DEPTH NEWSTREET | Mr. M |
| 33 | Chip audion | Hg | BL | PBBs : ND | Comply |
| | The wife must have my | Cr | A BL | PBDEs : ND | NLTE WAL |
| | A A RET ARE | Br | IN | Wr. Mr. Mr. | |
| ن | in with white | Cd | BL | at at all | TER LITE |
| | 111, 12, | Pb | BL | We will mur wh | 211. |
| 34 | Dark grey magnet of inductor | Hg | BL | NA - | Comply |
| | Mr. Mr. Mr. M. | Cr | BL | ie alter mite and | ant. |
| | at at set set set | Br | Mr. Bru | 1/11. 1/11. | * |
| | WITH THE WAY THE | Cd | → BL | t tel tel te | المالية المالية |
| | 4 4 4 | Pb | BL | aver and any | 20, 20, |
| 35 | Coppery metal winding of inductor | Hg | BL | NA NA | Comply |
| | Lan. Lan A. | Cr | BL | " LIFE WILL WILL W | |
| | t let let it wille. | Br W | BL | | |
| مامان | me me m | Cd | BL | THE LIFE OUT ON | Comply |
| | t at a tel | Pb | BL | THE NAME OF | |
| 36 | Chip IC | Hg | BL | | |
| | Cr BL white white | 20, 20 | | | |
| | TEX LITER NITER IN | Br | BL | The state of the s | |
| N | 24 24 3 | Cd | BL | aller with white | n, m |
| | at let get ge | Pb | IN | Pb :178 | Comply |
| 37 | Chip resistor | Hg | ← BL | | |
| | t at let let | Cr Cr | BL | it, the this to. | |
| | The wife with the | Br | BL | t at the it | Y CLIEB |
| 11. | | Cd | ST BL | Alle Alle | 10, |
| | THE VALUE OF | Pb | BL | A DDD AVD | A EX |
| 38 | Green PCB | Hg | BL | PBBs : ND | Comply |
| | at at text text of | Cr | BL | PBDEs : ND | * |
| | The Multi Multi Multi Au | Br | L IN | TEX TEX TIES | alie anii |
| -70 | | Cd | BL | ap my | |
| | A STEEL WITE WITE WHILE | Pb | BL | t at at a | EX LIER |
| 39 | Chip capacitor | ∠Hg ⋌ | BL | NA | Comply |
| | TEX TEX TIES WITER ON | Cr | BL W | | - Et |
| VI. | wir we me | Br 🖈 | BL | E SLIER WITE SULTE | WILL |
| .1 | A SH SH SHE S | Cd | M BL | 14, 24, 3. | |
| | ALTE WALL WALL AN | Pb | IN | - TEX TEX TEX | WITE. W |
| 40 | Solder | Hg | BL | Pb :259 | Comply |
| | EL STER STIET WITE WAL | Cr | BL | at at at | TEX JE |
| | 11/4 11/1 10 | Br | BL | oute out with a | ir. Mur |





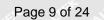
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| Part No. | Part Description Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS | |
|-------------|--|-------|---|---------------------------------------|---------------|
| iet . | TEX LIFE NITE MILLS | Cd | BL | · · · · · · · · · · · · · · · · · · · | TEX |
| 10 M | ur my my | Pb | IN . | WILL WILL MILL | Mr. M |
| 41 | Solder | Hg | BL | Pb :588 | Comply |
| -10-1 | ic nuit mur mur mr | Cr | , BL | TEX LIEX SLIER | alite april |
| 20 | t of the se | Br | BL | app. The same a | |
| | NITE MILL WALL WALL | Cd | BL | at at let | TER CITE |
| W. | 24 | Pb | BL | We will me we | 411. |
| 42 | Chip LED | Hg N | BL | PBBs : ND | Comply |
| | are, are any ar | Cr | BL | PBDEs : ND | ant. |
| | * ex sex sex sex. | Br | IN IN | 1/11. 1/11. | |
| 10 | in my my my | Cd | ↓ BL | F THE JET JE | الماء الماماء |
| 10, | | Pb | BL | aver mer mer | 21, 2, |
| 43 | White sponge sheet | Hg | BL | NA NA | Comply |
| m | 101, 20, 20 | Cr | BL | " LIFE WILL WALL W | |
| ct | ER TER IT WITE | Br W | BL | | |
| | The Me My Sa | Cd | BL | CEX LIET OLIVE IN | Comply |
| | the state of the s | Pb | BL W | MACH WALLE | |
| 44 | Red plastic wire covering | Hg | BL | | |
| 2 | | Cr | BL | | |
| et . | TEX LIEX NITER DAY | Br | BL | | |
| 111 | In In | Cd | BL | NITE MITTER WAITE | nt on |
| - | * EX TEX TEN | Pb | BL | | Comply |
| 45 | Silvery metal wire | Hg | BL | NA JA | |
| 70. | t the let | Cr Cr | BL | E. Mr. Mr. M. | |
| TEX | and with april and | Br | BL | t at the st | 'A CLIEB |
| | 20 000 | Cd | BL | The Miles | 10, |
| et l | | Pb | BL | | all t |
| 46 | Black plastic wire covering | Hg | BL | NA | Comply |
| | at at set set of | Cr | BL | 11, 11, 1, | |
| | it with mir and | Br | BL | TEX JEX JEX | alie anti |
| | | Cd | BL | The Mr. M. A | |
| 164 | LIER OLIER WILL WALL | Pb | BL | at at at | EX LIER |
| 47 | Solder | Hg | BL | NAC' NAC' | Comply |
| | TEX TEX LIER WITER | Cr | M BL | | t et |
| | ner me me m | Br 🗡 | BL | E LIER RLIER MLTE | Writ. |
| | A SH SH SH | Cd | BL | 211. 211. 22. | |
| E | LIFE WILL WALL WALL W | Pb | BL | - LEY TEX TEX | CLIEF OF |
| 48 | Silvery metal sheet | Hg | BL | The MA MA | Comply |
| + . | IT LIET OLIER WILL WILL | Cr | BL | 1 1 1 | TEX TE |
| "NL" | Mr. Mr. Mr. | Br | BL | A TEN OLIE ANTIVAN | r, Mur |



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|----|---|---|---|
| | 7 | V | 7 |
| S. | | | |

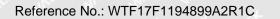
| Part No. | Part Description | Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|-------------|--------------------------------|---------------|-------------------|---|--------------------|
| iet l | TEL LIE NITE MILL W | Cd | BL | e at at | EX |
| | We are an a | Pb | BL | alle antie mair | Mr. M |
| 49 | Yellow plastic tape | Hg | BL | NA | Comply |
| -10 | The wife Aut and Aut | Cr | → BL → | TEX LIEX SLIEN | NLTE WALL |
| 72. | . I st set set | Br | BL | 21/2, 21/2, 21, 1 | |
| | with with which which | Cd | BL | at let let i | TET CLIE |
| 1/1/2 | The state of | Pb | BL | Will My My | 711 |
| 50 | Silvery metal shell of plug | Hg | BL | NA | Comply |
| In Line | mer me my me | Cr of | BL | te alter mite white | 21/15 |
| 4 | at let text text to | Br | M BL | 1/11, 12, | * |
| 16. | VILL MUE MUE MUE MI | Cd | BL | F TEX LIER LITER | WITH WA |
| 2 | · · · · · · · · · · · · | Pb | BL | ave, mv. m. | 20. 7. |
| 51 | White plastic core of plug | Hg | BL | NA NA | Comply |
| M | 111, 211, 2, | Cr | BL | WILL WILL WILL W | 711 |
| | t feet there is writer | Br W | BL | | et et |
| W. | mer mr m | Cd | BL | CIEN WILL WILL WAS | WILL |
| | at at a star | Pb | BL | , m, m, m | |
| 52 | Silvery metal pin of plug | Hg | BL | while NA of white | Comply |
| | | Cr | BL | | |
| EX | | Br | BL | | |
| 11 | Black plastic jacket of plug | Cd | BL | NA Z | Comply |
| | | Pb | BL | | |
| 53 | | Hg | - BL | | |
| | at at let let | Cr | BL | the same same | |
| TEX. | WITH WITH WITH | Br | BL | to the text of | * TELL |
| | 25. | Cd | BL | Whi Wh | 7,, |
| EX | TET ST | Pb | IN _ | t et | TEX |
| 54 | Solder of plug | Hg | BL | Pb :353 | Comply |
| | at let let let out | Cr | BL | 711, 22, | * |
| | it with my my | Br | BL | TEX TEX TEX | NITE WILL |
| 100 | | Cd | BL | Why Mr. M. A | |
| | A STEEL WIFE WILL WILL | Pb | BL | at let let ! | Comply |
| 55 | Silvery metal shell of plug | Hg | BL | Cr ⁶⁺ : Negative | |
| | TEX TEX TEX WITE O | Cr | n, IN | | + LEX |
| | Wer The Mr. M. | Br 🗡 | BL | Et alter outer outil | WILL A |
| | it lit tet tet is | Cd | BL ^{III} | 211 211 | Comply |
| | LIL WALL MALL MULT AN | Pb | BL | DDD ND | |
| 56 | Dark grey plastic core of plug | Hg | BL | PBBs : ND | |
| | EX SITES WITE WITE WAL | Cr | BL | PBDEs : ND | |
| W. | 2115 211 215 | Br | IN | CITE WITH WALL W | |





| Part No. | Part Description | Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|-------------|------------------------------|---------------|--------|---|--------------------|
| TEX. | TEX LIFE NITE MIN N | Cd | BL | · · · · · · · · · · · · · · · · · · · | TEX |
| Nin al | ur me in in | Pb | BL | alier white white | ang. M |
| 57 | Silvery metal pin of plug | Hg | BL | NA | Comply |
| | it must me me | Cr | → BL → | TEX LIER SLIER | WILL MUI |
| 30 | | Br | BL | The My Min A | |
| | nite mit whi wh | Cd | BL | et et let | LEE CLIE |
| The. | 111 Th | Pb | BL | with whise mur mu | |
| 58 | Black plastic jacket of plug | Hg ST | BL | NA - | Comply |
| in in | mer me m m | Cr | BL | te alter with white | MUL. |
| | EX LEX TEX TEXT | Br | W BL | 20, 20, | At . |
| 16. | The Mer My My | Cd | BL . | + TEX TEX TIE | IN THE |
| 700 | | Pb | IN | Mr. Mr. MI | 2, 4, |
| 59 | Solder of plug | Hg | BL | Pb :325 | Comply |
| m. | My My | Cr | BL | WILL MILL MULL W | |
| e t | TEX ITEX IT WITE | Br W | BL | - L | ex ex |
| W.C. | THE THE THE | Cd | BL | ITER SLIFE WITH WATER | Comply |
| , J | at let a stell | Pb | BL | m, m, 2, | |
| 60 | White plastic core of plug | Hg | BL | NA NA | |
| | | Cr | BL | | |
| Et . | TEX SLIER OLIER ! WAY | Br | BL | | |
| 7/1 | Coppery metal wire | Cd | BL | NA NA NA | Comply |
| | | Pb | BL | | |
| 61 | | Hg | BL | | |
| | at at let let | Cr | BL | | |
| TEN | The Thirty was the | Br | BL | to the state of | A CLIER |
| 11. | 20, 00 | Cd | BL | nu nu | ZEX. |
| TEX. | | Pb | BL | it it | |
| 62 | Black plastic wire jacket | Hg | BL | NA | Comply |
| _ | et let let liet in | Cr | BL | 10 10 | .t |
| | it with the My | Br | BL | TEX TEX TEX | |
| , w | at at let let | Cd | BL | " I ME IN 1 | |
| Tex. | outer white white whi | Pb | BL | at at let | EK LIEK |
| 63 | Pink plastic wire covering | ∠⁄Hg ⋌∕ | BL | NA NA | Comply |
| EX | TEX LIFE SLIFE MITE. | Cr | BL | 1 1 1 1 | t all |
| | ne me m | Br 🖈 | BL | ie lier wife will | Wr. A |
| .4 | at let tet ter | Cd | N BL | 74. 72. 4 | * |
| | THE MULT MULT MULT WE | Pb | BL | + TEX LIER LITER | Comply |
| 64 | Black sponge sheet | Hg | BL | NA W | |
| F . | EX STEEL WITE MULTINAL | Cr | BL | at at at | TEX JE |
| W. | 211 211 2 | Br | BL | CITE WITH WILL WI | in all |







| Part No. | Part Description | Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS | |
|-------------|---------------------------------|---------------|--------|---|--------------------|--|
| LEX. | TEN LIFE WITE MILL W | Cd | BL | the state of | TEXT . | |
| | in in in | Pb | BL | alie white white | Mr. M | |
| 65 | Silvery metal pin of socket | Hg | BL | NA NA | Comply | |
| -11 | itt with my my my | Cr | → BL → | TEX LIER OLIER. | INLIE WALL | |
| 7. | and the state of the state of | Br | BL | 4/2, 4/2, 4/1, 1 | | |
| | with with white | Cd | BL | at let let | LET WITE | |
| The | n stat | Pb | BL | vier mer me | | |
| 66 | Black plastic shell of plug | Hg | BL | L NA | Comply | |
| Int. | Mr. Mr. M. M. | Cr | BL | ie nite unit whit | Wr. 1 | |
| | LET TEX TEXT OF | Br | BL | 1/11 12. | <i>z</i> + | |
| | ULL MUT MUT MY ME | Cd | ↓ BL | t TEX LIFE NITE | INLIE WA | |
| , | the state of | Pb | BL | Mr. Mr. Mr. | 20. | |
| 67 | Silvery metal shell of plug | Hg | BL | Cr ⁶⁺ : Negative | Comply | |
| in | 2011 | Cr | IN | while while where w | | |
| 16 | t tex itex of mile | Br W | BL | | | |
| WILL | mer mr m on | Cd | BL | THE OUTER MITE WAS | Comply | |
| | At let of the | Pb | BL | NA WALLE | | |
| 68 | Dark grey plastic sheet of plug | Hg | BL | | | |
| | | Cr | BL | | | |
| EX | TEX STEE STEE | Br | BL | | | |
| 71/ | 24, 24, | Cd | BL | ALTE WALL WALL | Comply | |
| | EK TEK ITEK ITE | Pb | BL | | | |
| 69 | Silvery metal pin of plug | Hg | BL | NA NA | | |
| | | Cr | BL | | | |
| TEN | | Br | BL | the set of | | |
| 11. | | Cd | BL | The Mar My | Comply | |
| TEX | THE YEAR OF THE | Pb | BL | | | |
| 70 | Dark grey plastic sheet of plug | Hg | BL | NA | | |
| <u>_</u> | LEX LEX LIER IN C | Cr | BL | 7, 7, | | |
| | it with mut were we | Br | BL | TEX JEX JER | | |
| 77. | the state of | Cd | BL | The Mr. M. a | | |
| 150 | RE WITE WITE MILL MALL | Pb | BL | PBBs : ND PBDEs : ND | EK LIEK | |
| 71 | Blue PCB | Hg | BL | | Comply | |
| ALTEK | TEX LIFE SLIFE MITE OF | Cr | BL | | L LEX | |
| | Mr. Mr. M. M. | Br | IN | E SITE WITE WITE | Will | |
| L | at at the the | Cd | JI BL | 21, 24, | t | |
| E | VILLE MULL MULL MULL AND | Pb | *OL | TEX TEX TEX | Comply | |
| 72 | Chip resistor | Hg | BL | Cr ⁶⁺ : ND | | |
| | EK NITE WILL WALL WALL | Cr | IN | at at let | | |
| M | 24, 24, 2 | Br | BL | WILL WILL MULL | | |



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| Part No. | Part Description | Result of XRF | | Result of Wet Chemical Testing (mg/kg) | Conclusion on RoHS |
|-------------|--|---------------|-------|--|--------------------|
| 1,, | The state of the s | Cd Cd | BL | Mr. Mr. M. | 10. |
| TEX | ITEK NITER WITE WALL W | Pb | BL | it et let | TEX |
| 73 | Solder | Hg.+ | BL | NA NA | Comply |
| et. | THE THE STEEL WITH MI | Cr | BL | The state of the s | 11 16 |
| 10 | in mi me m | Br | BL BL | LIEX STEEL WITE | IVII. MUT. |





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Remark:

(1) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr6⁺) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1: 2013 (unit: mg/kg)

| Element | Polymer | Metal | Composite Materials |
|---------|---|---|---|
| Cd | BL ≤ (70-3σ) < IN < (130+3σ) ≤ OL | BL \leq (70-3 σ) $<$ IN $<$ (130+3 σ) \leq OL | $LOD < IN < (150+3\sigma) \le OL$ |
| Pb | BL \leq (700-3 σ) < IN < (1300+3 σ) \leq OL | $BL \le (700-3\sigma) < IN < (1300+3\sigma) \le OL$ | BL \leq (500-3 σ) $<$ IN $<$ (1500+3 σ) \leq OL |
| Hg | BL \leq (700-3 σ) $<$ IN $<$ (1300+3 σ) \leq OL | BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL | BL \leq (500-3 σ) $<$ IN $<$ (1500+3 σ) \leq OL |
| Cr | BL ≤ (700-3σ) < IN | BL ≤ (700-3σ) <in< td=""><td>$BL \le (500-3\sigma) < IN$</td></in<> | $BL \le (500-3\sigma) < IN$ |
| Br | BL ≤ (300-3σ) < IN | it will write with w | BL ≤ (250-3σ) < IN |

BL= Below Limit

OL= Over Limit

LOD = Limit of Detection

-- = Not Regulated

- (2) "IN" expresses the inconclusive region, and further chemical testing to confirm whether it complies with the requirement of RoHS Directive.
- (3) The XRF screening test for RoHS elements the reading may be different to the actual content in the sample be of non-uniformity composition.
- (4) ppm = mg / kg, based on the dry weight of tested sample.
- (5) ND = Not Detected, less than the value of Method Detection Limit.
- (6) NA = Not Applicable, as the XRF screening test result was below the limit, it was not need to conduct the wet chemical testing.
- (7) MDL= Method Detection Limit in wet chemical test

| I | Test Items | Pb | Cd | Hg | Cr ⁶⁺ | | PBB | PBDE |
|---|------------|-------|-------|-------|------------------|--------------------|-------|-------|
| | Units | mg/kg | mg/kg | mg/kg | mg/kg | μg/cm ² | mg/kg | mg/kg |
| 1 | MDL | 2 | 2 | 2 | 2 | 0.1 | 5 | × 5 × |

The MDL for single compound of PBBs and PBDEs is 5mg/kg, MDL of Cr⁶⁺ for polymer and composite sample is 2mg/kg and MDL of Cr⁶⁺ for metal sample is 0.1µg/cm².

(8) According to IEC 62321-7-1:2015, determined of Cr6+ on metal sample by boiling water extraction test method, and result is shown as Positive/Negative.

Boiling water extraction:

Negative = Absence of Cr⁶⁺ coating, the detected concentration in boiling water extraction solution is less than 0.10ug/cm².

Positive = Presence of Cr⁶⁺ coating, the detected concentration in boiling water extraction solution is greater than 0.13ug/cm².

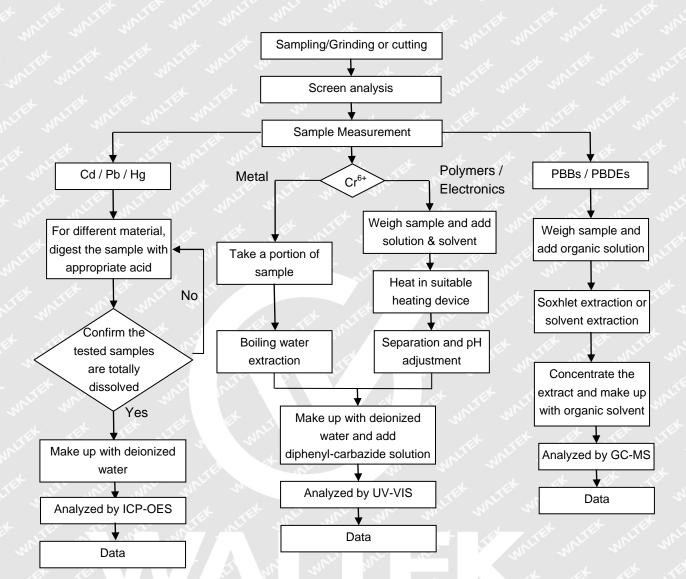
Information on storage conditions and production date of the tested sample is unavailable and thus Cr6+ results represent status of the sample at the time of testing.

- (9) * = According to the declaration from client, the source of lead in test sample could be from the glass or ceramic material of that electronic component which is exempted by Directive 2011/65/EU.
- (10) The testing standard "IEC62321-7-2:2017" does not been accredited by CNAS.
- (11)As per client's requirement, results of specimen from 1 to 52, 54 to 57, 59 to 61, 63 to 73 are extracted from report No. WTF17F1194899A2C.



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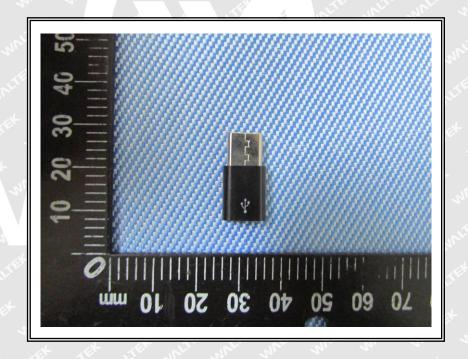
Measurement Flowchart:



W

Sample Photo:





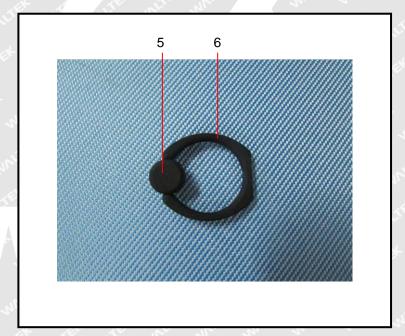




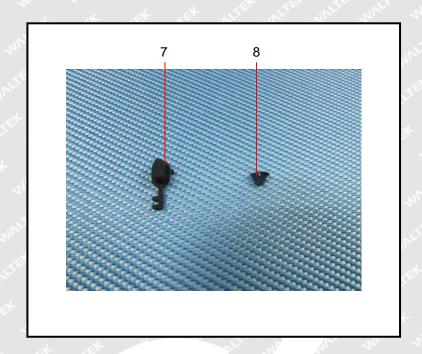
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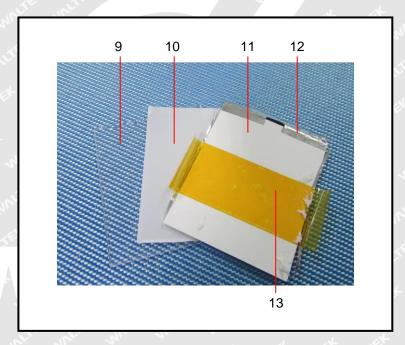
Photograph of parts tested:



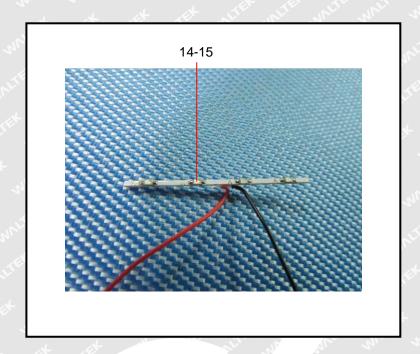


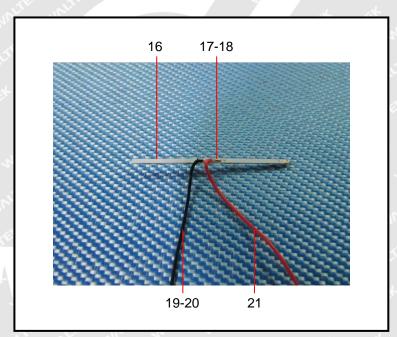




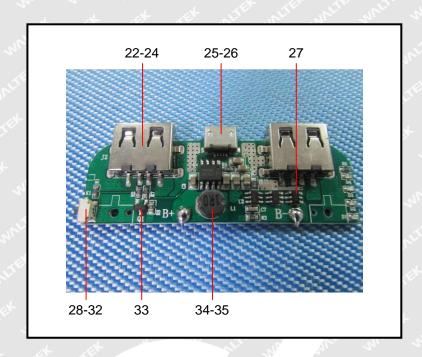


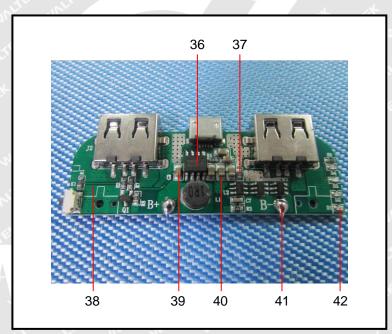




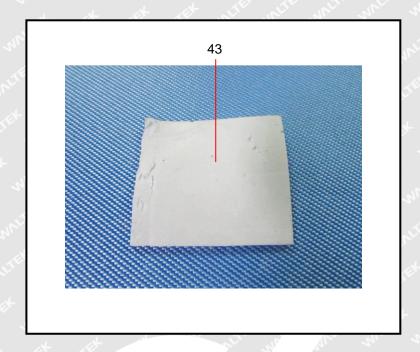


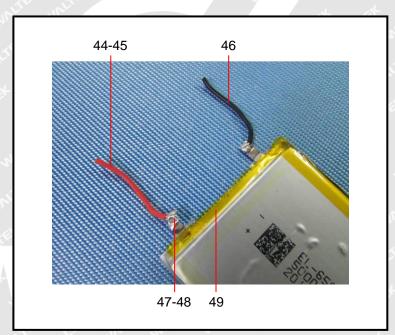




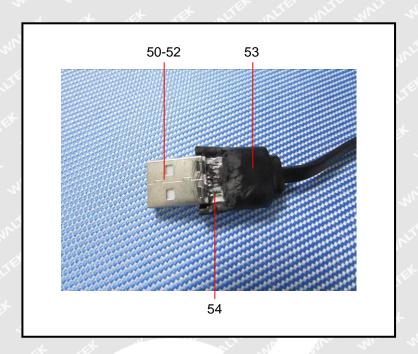


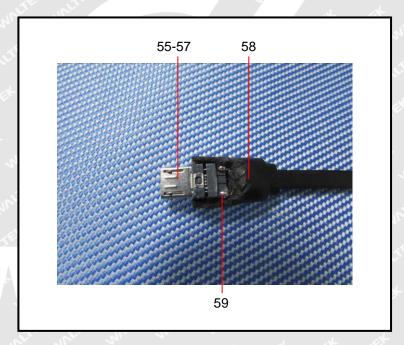




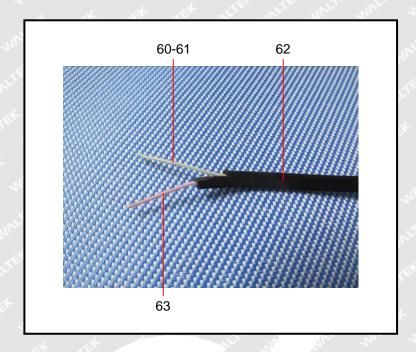


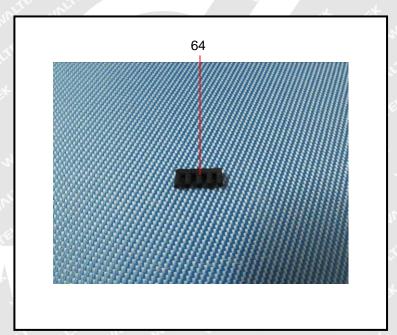




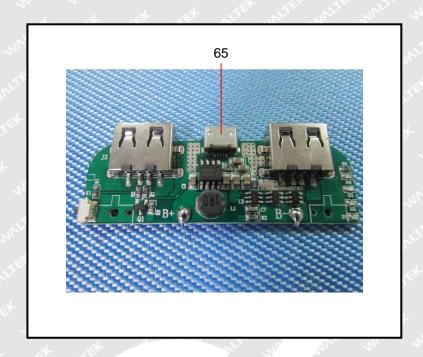


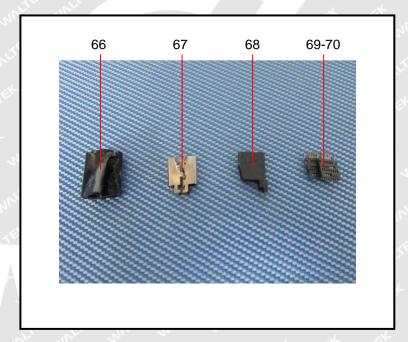




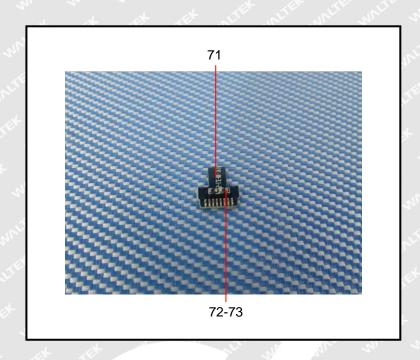












===== End of Report =====

THE DATE OF THE PARTY OF THE PA