

TEST REPORT

REPORT NUMBER : TURT170227437

APPLICANT NAME **Doyuk Bilgisayar Tekn.Prom.Ürn.San. ve Tic.Ltd.Şti.**

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SAMPLE DESCRIPTION : One sample of Powerbank

DATE IN : **04 December, 2017 (14:30)**

DATE OUT : **08 December, 2017**

BRAND NAME : CHIPIA

MODEL NAME : VESTA

REQUEST : Battery Directive (2013/56/EC) was performed on the item.

RESULTS : See attachment

CONCLUSION : See attachment

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PARTS	DESCRIPTION	CONCLUSION
	Sample	
1	BATTERY BOX	PASS
2	BATTERY FRAME	PASS
3	YELLOW TAPE	PASS
4	BLACK FOAM	PASS
5	BLACK CABLE	PASS
6	RED CABLE	PASS
7	BATTERY BOARD	PASS
8	SOCKET	PASS
9	SILVER METAL SOCKET	PASS
10	SOLDER	PASS
11	WIRE	PASS
12	BATTERY BODY	PASS

(A) Test Method Summary

Testing Item	Result						Battery Directive Limit (mg/kg)
	Part 1	Part 2	Part 3	Part 4	Part 5	Part 6	
Cadmium (Cd) Content	ND	ND	ND	ND	ND	ND	0.002% (20 mg/kg)
Lead (Pb) Content	ND	ND	ND	ND	ND	ND	See Note*
Mercury (Hg) Content	ND	ND	ND	ND	ND	ND	0.0005% (5 mg/kg)

Testing Item	Result						Battery Directive Limit (mg/kg)
	Part 7	Part 8	Part 9	Part 10	Part 11	Part 12	
Cadmium (Cd) Content	ND	ND	ND	ND	ND	ND	0.002% (20 mg/kg)
Lead (Pb) Content	ND	ND	ND	3600 ppm*	ND	ND	See Note*
Mercury (Hg) Content	ND	ND	ND	ND	ND	ND	0.0005% (5 mg/kg)

*All batteries, accumulators, and button cells shall be marked with a crossed wheelee bin symbol if they contain more than 0.0005% mercury, or more than 0.002% cadmium or more than 0.004% lead, then the chemical symbol for that particular metal shall be added beneath the crossed wheelee bin symbol. The chemical symbol shall cover an area at least 1,5 % of the surface area of the battery or accumulator and shall have a maximum size of 5 x 5 cm.

Separate chemical symbols are required if the battery or accumulator contains more than one of these metals. For example, a battery containing lead (Pb) exceeding 0.004% and mercury (Hg) exceeding 0.0005%, shall be marked with both the Pb and Hg symbols.

Remarks : ppm=Parts per million based on dry weight of sample
 <=Less than
 ND =Not detected NA =Not applicable NR =Not requested

(B) Test Method :

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd)Content	With reference to IEC 62321-111/116/FDIS,by acid digestion and determined by ICP-OES	2 ppm
Lead (Pb)Content	With reference to IEC 62321-111/116/FDIS,by acid digestion and determined by ICP-OES	2 ppm
Mercury (Hg)Content	With reference to IEC 62321-111/116/FDIS,by acid digestion and determined by ICP-OES	2 ppm



Part 1



Part 2



Part 3



Part 4



Part 5



Part 6



Part 7



Part 8



Part 9



Part 10



Part 11



Part 12



END OF TEST REPORT