



中国认可
国际互认
检测
TESTING
CNAS L9381



检测报告

编号: ESZ2307310065C00101R

日期: 2023年08月03日

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委托单位 : 张家港君雄金属制品有限公司
Applicant : Zhangjiagang Junxiong Metal Products Co., Ltd
地 址 : 无锡市惠山区钱桥万东路3号
Address : No.3 Qianqiao Wangdong Road Huishan District, Wuxi City

以下检测之样品及样品信息是由申请者提供确认

The sample and sample information tested below are provided and confirmed by the applicant

样品名称 : 扁钢
Sample Name : Flat steel
型 号 : 10*40
Model : 10*40
接受日期 : 2023年07月31日
Received Date : Jul. 31, 2023
检测周期 : 2023年07月31日~2023年08月03日
Test Period : Jul. 31, 2023~Aug. 03, 2023

检测概要

Test Summary

检测项目/Test Item

结论/Conclusion

欧盟指令2011/65/EU(RoHS) 及其修订指令
Directive 2011/65/EU (RoHS)and its Amendments

Pass

注: 符合 (Pass); 不符合 (Fail); 不评价或仅提供检测结果 (N/A)

Remark: Pass: Meet the requirement; Fail: Doesn't meet the requirement; N/A: Without conclusions or provide test results only.

编 制:

张智菲
张智菲, Carol
助理工程师

审 核:

杜适
杜适, Damon
测试主管

签 发:

苏州市信测标准技术服务有限公司
姜宇祥, Jason
授权签字人
2023年08月03日

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from data of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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样品描述 Sample Description (以下检测之样品及样品信息是由申请者提供并确认)

The sample and sample information tested below are provided and confirmed by the applicant)

样品序号 Sample No.	样品编号 Sample Number	数量 Quantity	材料 Material
01	E2307310065-01	1pc	1215

检测结果汇总 Summary of Test Results

1. RoHS

1.1 检测方法 Test Method

检测项目 Test Item	测试方法 Test Method
铅 Lead (Pb), 镉 Cadmium (Cd)	IEC 62321-5:2013
汞 Mercury (Hg)	IEC 62321-4:2013+A1:2017
六价铬 Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-1:2015
PBBs, PBDEs	IEC 62321-6:2015
DEHP, BBP, DBP, DIBP	IEC 62321-8:2017

1.2 检测设备 Test Instrument

设备名称 Instrument Name	厂家 Manufacturer	型号 Model
ICP-OES	Agilent	720
UV-Vis	SHIMADZU	UV-1800
GC-MS	Agilent	7890B-5977A
GC-MS	SHIMADZU	QP2010 Ultra

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1.3 检测结果 Test Results: 限值依照欧盟指令 2011/65/EU (RoHS)及其修订指令/Limit according to Directive 2011/65/EU (RoHS) and its Amendments

检测项目 Test Item	结果 Result(mg/kg)	MDL (mg/kg)	限值 Limit (mg/kg)
	01		
铅 Lead (Pb)	N.D.	2	1000
镉 Cadmium (Cd)	N.D.	2	100
汞 Mercury (Hg)	N.D.	2	1000
六价铬 Hexavalent Chromium (Cr ⁶⁺)	N.D.	0.10µg/cm ²	/

检测项目 Test Item	结果 Result(mg/kg)	MDL (mg/kg)	限值 Limit(mg/kg)
	01		
多溴联苯 (1 – 10) Polybrominated Biphenyls (Mono – Deca)(PBBs)	N.D.	--	1000
单溴联苯 Monobromobiphenyl	N.D.	5	--
二溴联苯 Dibromobiphenyl	N.D.	5	--
三溴联苯 Tribromobiphenyl	N.D.	5	--
四溴联苯 Tetrabromobiphenyl	N.D.	5	--
五溴联苯 Pentabromobiphenyl	N.D.	5	--
六溴联苯 Hexabromobiphenyl	N.D.	5	--
七溴联苯 Heptabromobiphenyl	N.D.	5	--
八溴联苯 Octabromobiphenyl	N.D.	5	--
九溴联苯 Nonabromobiphenyl	N.D.	5	--
十溴联苯 Decabromobiphenyl	N.D.	5	--
多溴二苯醚 (1 – 10) Polybrominated Diphenylethers (Mono – Deca) (PBDEs)	N.D.	--	1000
单溴二苯醚 Monobromodiphenyl ether	N.D.	5	--
二溴二苯醚 Dibromodiphenyl ether	N.D.	5	--

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检测项目 Test Item	结果 Result(mg/kg)	MDL (mg/kg)	限值 Limit(mg/kg)
	01		
三溴二苯醚 Tribromodiphenyl ether	N.D.	5	--
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5	--
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5	--
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5	--
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5	--
八溴二苯醚 Octabromodiphenyl ether	N.D.	5	--
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5	--
十溴二苯醚 Decabromodiphenyl ether	N.D.	5	--

检测项目 Test Item	CAS No.	结果 Result (mg/kg)	MDL (mg/kg)	限值 Limit (mg/kg)
		01		
邻苯二甲酸二(2-乙基)己酯 Bis(2-ethylhexyl) phthalate(DEHP)	117-81-7	N.D.	50	1000
邻苯二甲酸丁苄酯 Butyl benzyl phthalate (BBP)	85-68-7	N.D.	50	1000
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP)	84-74-2	N.D.	50	1000
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	84-69-5	N.D.	50	1000

备注 Note

- 1) N.D. = 未检测到 (小于 MDL)。/Not Detected (Less than Detection Limit).
- 2) MDL = 方法检出限。/Method Detection Limit.
- 3) 由于产品防腐蚀镀层的重量难以精确测量, 镀层六价铬的含量以单位镀层面积内六价铬的质量表示
/Because it is difficult to measure the weight of the anticorrosion in plating accurately, the content of hexavalent chromium in plating shows in its quality of unit area.
单位为 $\mu\text{g}/\text{cm}^2$, 由于未知测试样品的储存条件及生产日期, Cr^{6+} 的测试结果仅代表样品在测试期间的状态。/Unit: $\mu\text{g}/\text{cm}^2$. Because the storage conditions and production date of the test samples are unknown, the test results of $\text{Cr}(\text{VI})$ are only represent its state during test period.
a. 当 Cr^{6+} 被检测出低于检出限 $0.10\mu\text{g}/\text{cm}^2$ 时, 该样品则被认定为镀层中 Cr^{6+} 是阴性的, 表示样品中不含有 Cr^{6+} , Cr^{6+} 检测结果判定为合格。/When sample $\text{Cr}(\text{VI})$ concentration is less than $0.10\mu\text{g}/\text{cm}^2$, the sample is negative for $\text{Cr}(\text{VI})$, the sample not contain $\text{Cr}(\text{VI})$, the test result is Pass.

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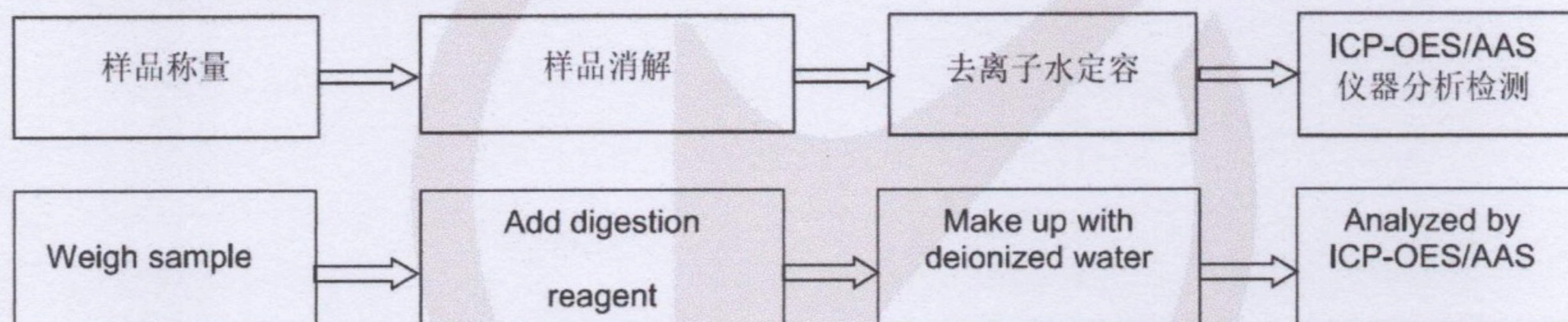
b.当 Cr^{6+} 被检测出在 $0.10\mu\text{g}/\text{cm}^2$ 至 $0.13\mu\text{g}/\text{cm}^2$ 这个范围内,测试结果需要进一步确认, Cr^{6+} 检测结果不作判定评价。/When sample $\text{Cr}(\text{VI})$ concentration between $0.10\mu\text{g}/\text{cm}^2$ and $0.13\mu\text{g}/\text{cm}^2$, the result need to reconfirm, the test result is not judge.

c.当 Cr^{6+} 被检测出高于 $0.13\mu\text{g}/\text{cm}^2$ 时,该样品则被认定为镀层中 Cr^{6+} 是阳性的,表示样品中含有 Cr^{6+} ;
 Cr^{6+} 检测结果判定为不合格。/When sample $\text{Cr}(\text{VI})$ concentration greater than $0.13\mu\text{g}/\text{cm}^2$, the sample is positive for $\text{Cr}(\text{VI})$, the sample contain $\text{Cr}(\text{VI})$, the test result is Fail.

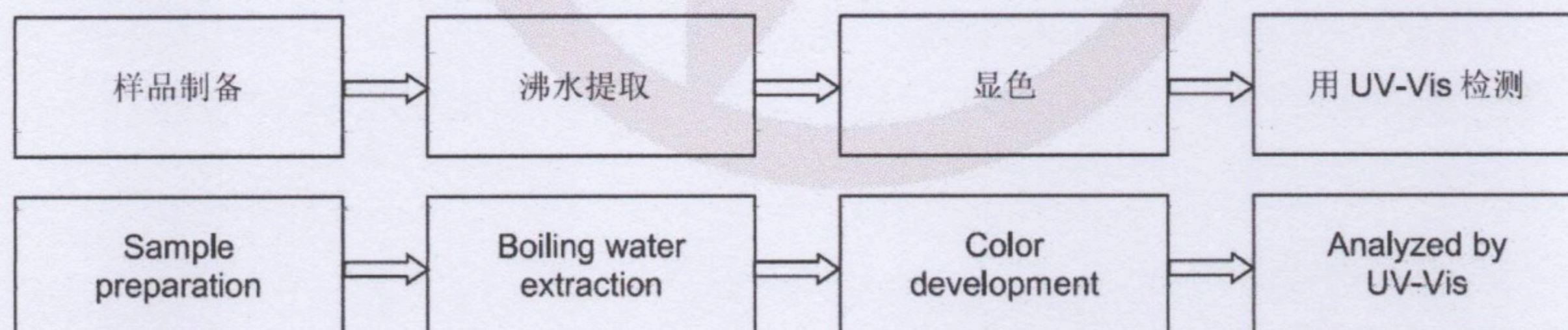
4) 对于检测铅、镉、汞的样品已完全溶解。/Specimens, which requested to determine Lead, Cadmium and Mercury content, have been dissolved completely.

1.4 检测流程图 Test Flowchart

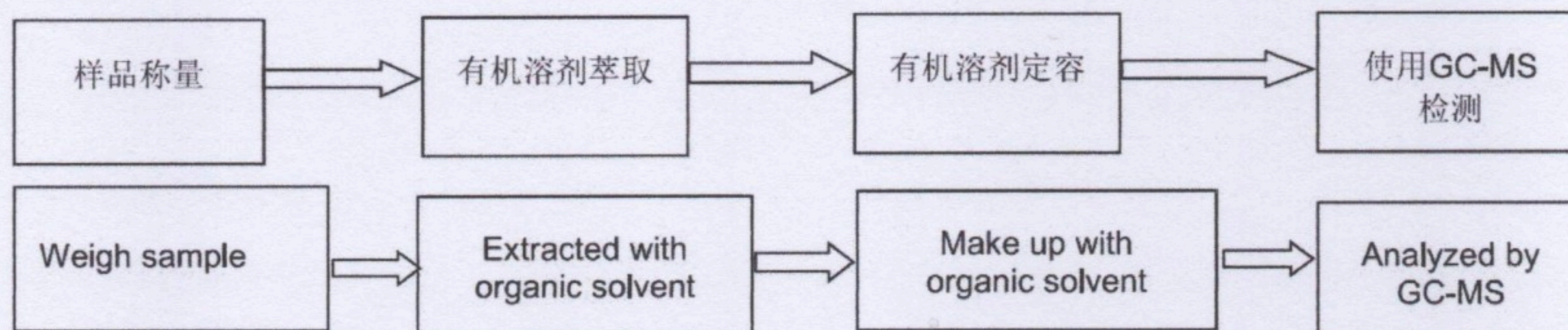
Pb, Cd, Hg 检测流程/Pb, Cd, Hg Test Process :



Cr^{6+} 测试流程/ Cr^{6+} Test Process:



PBBs & PBDEs, DEHP, BBP, DBP, DIBP 检测流程 / PBBs & PBDEs, DEHP, BBP, DBP, DIBP Test Process:



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样品照片 Sample Photo



*** 报告结束 ***
*** End of Report ***

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1. 本检测报告首页所列信息中除样品来源、接样日期、检测日期、检测结果和检测结论外, 均由委托方提供, 委托方对样品的代表性和资料的真实性负责, 本实验室不承担任何相关责任。
The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.
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The underlined test item in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching, teaching or internal quality control.
6. 其它声明请查阅报告页脚及书面报告末页。
For other statements, please refer to the footer of the report.

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1. 苏州市信测标准技术服务有限公司 (以下简称[本公司]) 为提供符合下述条款的测试和报告, 而接受有关样品和货品。本公司基于下述条款提供服务, 下述条款为本公司与申请服务的个人, 企业或公司 (以下简称[客户]) 的协议。

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4. 如果本公司确定报告被不当地使用, 本公司保留撤回报告的权利, 并有权要求其它适当的额外赔偿。

In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. 本公司接受样品进行测试的前提是, 该测试报告不能作为针对本公司法律行动的依据。

Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. 如因使用本公司中心任何报告内的资料, 或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害, 本公司概不负责。

The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7. 若需要在法院审理程序或者仲裁过程中使用测试报告, 客户必须在提交测试样品前将该意图告知本公司。

Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的, 检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限, 数据和信息将被处理掉。任何情况下, 本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害, 本公司在任何情况下也不必承担任何损害, 包括 (但不限于) 补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权 (包括疏忽)、产品责任或其他原因的惩罚性损害。

Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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