

TEST REPORT

Report No. AL23121020801EN

Approved date: Dec. 29, 2023

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Applicant XD Connects B.V.
Address Lange Kleiweg 6-28, 2288 GK Rijswijk The Netherlands



The following submitted sample(s) was/were identified by/on behalf of the applicant as

Sample Name	Item No.
Xavi RCS certified recycled aluminum pen	P611.22
GRS RABS pen with bamboo clip, grey	P611.082

Summary

Date Received Dec. 14, 2023
Test Period Dec. 14, 2023 to Dec. 29, 2023
Test Request As specified by applicant, the following tests were conducted: **Conclusion**
BS 7272-2:2008+A1:2014- Writing and Marking Instruments- Part 2: Specification for end closures to reduce the risk of asphyxiation
 1. **--Clause 4 Requirements (P611.082:Excluding clause 5)** **PASS**

For more information about the test, please refer to the following pages.

Compiled By Lv luo luo

Checked By Dong hu

Approved By Jiang He
 Signed on behalf of
 Shanghai Lelang Testing Technology Co., Ltd
 Inspection & Testing Services
 Room 101-103 of 1st Floor and 2nd-3rd Floor, Building 4, No.158, Jinfeng Road, Pudong District, Shanghai, China

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Sample Photo(s)

Lelangtek authenticated the photo on original report only



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Summary of test results:

1. BS 7272-2:2008+A1:2014 : Writing and marking instruments- Part 2: Specification for end closures to reduce the risk of asphyxiation

Test Item No.: P611.22

Clause	Test Item	Result
4	Requirements	
4.1	General End closure(except for cap-like end closures and those secured by a thread) shall at least conform to either: 4.2, 4.3, 4.4, 4.5 or 4.6	N/A
4.2	Size An end closure shall not pass through a 16 ^{+0.05/0.00} mm diameter ring gauge of at least 19 mm thickness under its own weight. Note : End closures which conform to this subclause are deemed to be too large to present an inhalation hazard.	N/A
4.3	Security The end closure shall not be removed when subjected to a force of 50 ^{+2/0} N applied in line with the body of the writing or marking instrument. Note : End closures conforming to this subclause are deemed to be securely affixed and therefore not to present an inhalation hazard.	N/A
4.4	Inaccessibility The end closure when in the form of a plug shall be completely recessed, and be reasonably secure by withstanding a minimum force of 10 N, when tested in accordance with Annex B, applied in line with the body of the writing or marking instrument. Note : End closures conforming to this subclause are deemed not to be removable and therefore not to present an inhalation hazard.	N/A
4.5	Minimal Protrusion The grippable surface of an end closure, when in the form of a plug (see Figure 2), shall not extend more than 1 mm beyond the end of the writing or marking instrument and overall the end closure shall not extend more than 3 mm beyond the end of the writing or marking instrument. It shall be reasonably secure by withstanding a minimum force of 10 N, when tested, applied in line with the body of	N/A

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Clause	Test Item	Result
	the writing or marking instrument.	
4.6	<p>Air Flow</p> <p>Be reasonably secure by withstanding a minimum force of 10 N, when tested in accordance with Annex B, applied in line with the body of the writing or marking instrument.</p> <p>Note : End closures conforming to this subclause are deemed to not present an asphyxiation hazard.</p>	N/A
4.7	<p>Additional safeguard</p> <p>Where the end closure is in the form of a cap and fits over the barrel (instead of inside it like a plug) and its length exceeds its diameter or the end closure is secured by a screw thread but does not conform to requirements 4.2 (size), or 4.4 (inaccessibility), it shall meet both requirements 4.3 (security) and 4.6 (air flow).</p> <p>Note : 1 End closures described in this subclause, when gripped by the teeth, can be subjected to side loads or a twisting motion very different from a 50 N force applied in line with the body of the writing or marking instrument. They are designs which are best avoided.</p> <p>Note : 2 End closures conforming to this subclause are deemed to not present an asphyxiation hazard.</p>	N/A
5	<p>Identification</p> <p>Remark: The writing or marking instruments, or their packaging or accompanying documentation, shall be legibly and indelibly identified with the name, trademark or other means of identifying the manufacturer/supplier.</p>	N/R



Testing

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Test Item No.: P611.082

Clause	Test Item	Result
4	Requirements	
4.1	<p>General</p> <p>End closure(except for cap-like end closures and those secured by a thread) shall at least conform to either: 4.2, 4.3, 4.4, 4.5 or 4.6</p>	PASS
4.2	<p>Size</p> <p>An end closure shall not pass through a 16^{+0.05/0.00} mm diameter ring gauge of at least 19 mm thickness under its own weight.</p> <p>Note : End closures which conform to this subclause are deemed to be too large to present an inhalation hazard.</p>	PASS
4.3	<p>Security</p> <p>The end closure shall not be removed when subjected to a force of 50^{+2/0} N applied in line with the body of the writing or marking instrument.</p> <p>Note : End closures conforming to this subclause are deemed to be securely affixed and therefore not to present an inhalation hazard.</p>	N/A
4.4	<p>Inaccessibility</p> <p>The end closure when in the form of a plug shall be completely recessed, and be reasonably secure by withstanding a minimum force of 10 N, when tested in accordance with Annex B, applied in line with the body of the writing or marking instrument.</p> <p>Note : End closures conforming to this subclause are deemed not to be removable and therefore not to present an inhalation hazard.</p>	N/A
4.5	<p>Minimal Protrusion</p> <p>The grippable surface of an end closure, when in the form of a plug (see Figure 2), shall not extend more than 1 mm beyond the end of the writing or marking instrument and overall the end closure shall not extend more than 3 mm beyond the end of the writing or marking instrument. It shall be reasonably secure by withstanding a minimum force of 10 N, when tested, applied in line with the body of the writing or marking instrument.</p>	N/A

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Clause	Test Item	Result
4.6	<p>Air Flow</p> <p>Be reasonably secure by withstanding a minimum force of 10 N, when tested in accordance with Annex B, applied in line with the body of the writing or marking instrument.</p> <p>Note : End closures conforming to this subclause are deemed to not present an asphyxiation hazard.</p>	N/A
4.7	<p>Additional safeguard</p> <p>Where the end closure is in the form of a cap and fits over the barrel (instead of inside it like a plug) and its length exceeds its diameter or the end closure is secured by a screw thread but does not conform to requirements 4.2 (size), or 4.4 (inaccessibility), it shall meet both requirements 4.3 (security) and 4.6 (air flow).</p> <p>Note : 1 End closures described in this subclause, when gripped by the teeth, can be subjected to side loads or a twisting motion very different from a 50 N force applied in line with the body of the writing or marking instrument. They are designs which are best avoided.</p> <p>Note : 2 End closures conforming to this subclause are deemed to not present an asphyxiation hazard.</p>	N/A
5	<p>Identification</p> <p>Remark: The writing or marking instruments, or their packaging or accompanying documentation, shall be legibly and indelibly identified with the name, trademark or other means of identifying the manufacturer/supplier.</p>	N/R

Note:N/A=Not applicable, N/R = Not requested by applicant

***** End of Report *****



DECLARATION

- (1) *The information of applicant and sample information as listed on the first page of this test report were all provided by the client. The client shall be responsible for the representativeness of sample and authenticity of materials, for which our company shall bear no responsibilities.*
- (2) *The test data of this test report is only responsible for the tested sample. In principle, the report issued by our company will not judge the test results, unless the customer has special requirements, our company will not bear any economic and legal responsibilities for the direct or indirect impact.*
- (3) *The client shall assume the risks in production, storage, drawing and transferring of sample, and our company shall not assume the risk of incorrect inspection result incurred by these activities.*
- (4) *The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by this judgment method, and our company shall not bear related responsibilities.*
- (5) *If there is any dissent to the test data by the client, please submit the written application for reexamination to the company within fifteen working days from the issue date of the report.. To the test items which cannot be retested, the client may have to give up the dissent right.*
- (6) *The client to return the sample shall notify our company in writing in dealing with entrusting of inspection, and shall retrieve the remaining inspection sample within 30 days after receiving the test report, unless otherwise agreed upon. If the client fails to notify us of returning the sample in writing, our company is entitled to dispose of the remaining inspection sample as per our company's sample disposition stipulations 1 month after issuing the inspection report. If the sample's quality does not allow reserving, our company may immediately dispose of it after issuing the inspection report.*
- (7) *Lelangtek guarantees the objectivity and fairness of test, and carries out confidentiality obligations on business secrets such as business information, technical documents and so on.*
- (8) *This test report is invalid without the signature of the approver, special inspection stamp and paging seal of our organization, and Data erasure invalid.*
- (9) *This test report cannot be copied in any way without the written permission of our company. The test report which is approved to be copied is only effective after duplicated in full text and stamped by our company.*
- (10) *Reports of Findings are issued on the basis of information. documents and samples provided by, or on behalf of, Client and solely for the benefit of Client who is responsible for acting as it sees fit on the basis of such Reports of Findings. Neither the Company nor any of its officers, employees, agents or subcontracts shall be labile to Client nor any third party for any actions taken or not taken on the basis of such Reports of Findings nor for any incorrect results arising from unclear ,erroneous, incomplete, misleading or false information provided to the Company.*
- (11) *The Company shall not be labile for any delayed, partial or total nonperformance of the services arsing directly or indirectly from any event outside the Company's control, including but not limited to failure by the Client to comply with any of its obligations.*
- (12) *In the event of any claim of loss, damage or other reason, the compensation of the Company shall not exceed three times of the subject service charge of the subject sample in any case for loss, damage or claim of any kind.*
- (13) *In case of any discrepancy between the English and Chinese versions of the Terms of Service, the Chinese version shall prevail.*