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## **Bios Mini**

Referring to report 930821-1 rev. 2 dated 28<sup>th</sup> September 2020, we have additionally tested the size of the holes in the mesh of Bios Mini according to EN 16121:2013+A1:2017, "Annex A - Modified requirements for schools, kindergartens and similar applications".

The results apply to all Unknown Nordic lava products with similar mesh/structure as Bios Mini.

The results appear from Appendix 1.

Yours sincerely  
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## Risk Analysis – Mesh Size – Bios Mini

### EN 16121:2013+A1:2017, Annex A - Modified requirements for schools, kindergartens and similar applications

The results apply to all Unknown Nordic lava products with similar mesh/structure as Bios Mini.

		Result
<b>A.2</b>	Modified requirements for schools, kindergartens and similar applications	
<b>A.2.1</b>	<b>General</b> Storage furniture specifically designed for use in schools and kindergartens shall fully comply with this European Standard with the exception of the following modifications:	
<b>A.2.2</b>	<b>Definition – shear and squeeze points</b> A shear and squeeze point exists if the distance between two accessible parts moving relative to each other can be less than 25 mm or more than 7 mm in any position during movement	Passed
<b>A.2.3</b>	<b>Principles of safety requirements</b> The requirements of 5.1.1 shall be modified such that the tests contained in Table 4 are only considered to affect safety when the height of the centre of gravity of the unit, or any part is >350 mm above the floor and the total mass is >5 kg.	Passed
<b>A.2.4</b>	<b>General safety requirements</b> In addition to the requirements contained within 5.2, all accessible parts where the probability of contact by the user is high shall be rounded with a minimum 2 mm radius or chamfer	Passed
<b>A.2.5</b>	<b>Shear and squeeze points under the influence of powered mechanisms</b> In addition to the requirements contained within 5.3.2, it is recommended that there should be no gap greater than 7 mm between the hinged edge of a door or flap and the main body of the product, or any hinge component, when assembled/adjusted for normal use.	N/A
<b>A.2.6</b>	<b>Shear and squeeze points during use</b> In addition to the requirements contained within 5.3.3, it is recommended that there should be no gap greater than 7 mm between the hinged edge of a door or flap and the main body of the product, or any hinge component, when assembled/adjusted for normal use.	N/A
<b>A.2.7</b>	<b>Glass</b> Glass shall fulfil the fragmentation test requirements of EN 12150-1:2000, Clause 8, or has a mode of breakage ( $\beta$ ) according to EN 12600:200, Type B or Type C	N/A
<b>A.2.8</b>	<b>Stability</b> The requirements for stability contained in 5.6 shall apply to units where the height to the top of the unit is 450 mm or more above the floor level.	N/A
<b>A.2.9</b>	<b>Strength and durability – drop test for trays</b> The test shall be carried out in accordance with the drop test for trays (test 6.17, table 5), with the exception that the drop height for test severity 1 shall be 600 mm and drop height for test severity 2 shall be 900 mm	Passed
<b>A3</b>	<b>Finger entrapment</b> There shall be no accessible holes greater than 7 mm or less than 12 mm with a depth greater than 10 mm when assessed in accordance with 5.3.1 of EN 716-2:2008+A1:2013	Passed

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## Risk Analysis – Mesh Size – Bios Mini

### Photos

