

SP Technical Research Institute of Sweden

TEST REPORT

GIP Arkitektkontor
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Handled by department	Date	Reference	Page
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Testing of high chair 121 EU in accordance with ENV 1178

1. Introduction

On the 2nd of February 1998, the high chair 121 EU was by order of GIP Arkitektkontor tested by SP in accordance with ENV 1178-1 and 2.

2. Testing object

The chair is made of lacquered birch wood.

A sample of the chair was chosen by the assignee.

The chair was conditioned for one week prior to testing.

SP received the chair on 20.05.1998.

The tests were carried out during the period 05.06.1998 – 25.09.1998. A supplementary examination was carried out on 23.12.1998.

3. Result

Testing in accordance with ENV 1178, the result from which is shown in Table 1.

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Test Report

Conforming to European Safety Standard ENV 1178

Table 1 Result in accordance with ENV 1178-1

Standard Item	Requirement	Satisfactory
4.1	Interior material free from rot and insects	Yes
4.2	Document re finishing complies with EN 71-3	Yes
4.3	Metal parts rustproof	Yes
6.4	All pipe ends covered; no sharp or any other parts that may cause injury	Yes
6.4	No opening Ø7/25 mm deeper than 10 mm	Yes
6.5	No self-tapping screws for parts dismantled for transport or storage	Yes
6.4	No sharp or any other parts that may cause injury when put together or dismantled	Yes
5.5	Power required to unlock the locking mechanism >50 N	-
5.6	The stress on loose parts or parts that can be released must not be less than Ø31.7 mm.	-
6.4	Re safety harness – positioning of fastening devices, width, no loops or risk of being strangled	-
5.8	Crutch support stressed to 150 N. The width of the crutch support a minimum of 20 mm	Yes
5.9	Opening between 64/150 mm or <25 mm	Yes
6.4	The height of the back of the chair from the seat in Sweden a minimum of 160 mm	Yes
5.11	The radius of the front edge of the seat min. 5 mm	Yes
5.12	Wheel only accepted in exceptional cases	-
5.13	Loading of an adjustable back	-
5.14	Drop test of removable disc	-
5.15	Loading of the disc horizontally and vertically	-
5.16	Collapsible chairs must not be collapsed during loading	-
5.17	Static loading of seat and arm-rest, 40 kg	Yes
5.18	Impact test in four directions 10 times / direction, from the outside. Against the back from the inside if the back is 40 mm higher than the stomach support	Yes
6.2	Stability sideways, 150 N is placed onto a lever 140 mm to the side. Must not tilt.	Yes
6.3	Stability backwards, 150 N is placed on a lever 120 mm to the side. Must not tilt.	Yes
6.4	Stability forwards, 5 kg on the seat. Min. horizontal force 25 N. Must not tilt.	Yes
6.5	Stability foot-rest, load 200 N 25 mm from the front edge. Must not tilt.	Yes
7	Plastic packing marked or complying with EN-71-1	Yes
8	Certain assembly instructions included in the operating instructions for the chair plus safety instructions. If reference is to be made to the standard ENV 1178-1, each chair must be clearly and permanently marked with certain information and eye-catching warning text.	Yes