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Fürth, May 11/2020

TEST REPORT No. FUTYP2020-01959-A

Date sample received: March 06/2020
Period of testing: March 19/2020 – April 29/2020
Technical Director: Kerstin Scharrer

Sample description: PU Binder 1118



For the test results please refer to next pages

Test order

Test of a product for migration of certain elements acc. to EN 71 part 3

Summary	Results
DIN EN 71-3 (Safety of toys) – Migration of certain elements	pass

Sample description:

No. 22:	PU binder
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Test results

Abbreviations:
n.d. = not determinable (< LoQ)
LoQ = limit of quantification

1. Migration of certain elements

1.1 Migration of certain elements -17 Elements- according to DIN EN 71-3

Sampling, extraction: DIN EN 71-3:2019-08
Measurement: ICP-OES: DIN EN ISO 11885:2009-09 / Hg: DIN EN ISO 17852:2008-04 (AFS)

Test results in mg/kg

Parameter	LoQ	limit value category III	Sample No. 22
Aluminium	10	70 000 (28 130) [†]	n.d.
Antimony	2	560	n.d.
Arsenic	1	47	n.d.
Barium	10	18 750	n.d.
Boron	10	15 000	n.d.
Cadmium	0.1	17	n.d.
Chromium (III)	3	460	n.d.
Cobalt	1	130	n.d.
Copper	10	7 700	n.d.
Lead	0.5	23	n.d.
Manganese	10	15 000	n.d.
Mercury	0.5	94	n.d.
Nickel	5	930	n.d.
Selenium	2	460	n.d.
Strontium	10	56 000	n.d.
Tin	3	180 000	n.d.
Zinc	10	46 000	n.d.

[†] new limit for Aluminium valid as of May 20th, 2021; see directive (EU) 2019/1922

1.2 Migration of certain elements -Chromium VI- according to DIN EN 71-3

Sampling, extraction: DIN EN 71-3:2019-08
Measurement IC- Matrix Elimination

Test results in mg/kg

	LoQ	limit value category III	Sample No. 22
Chromium VI	0.01	0.053	n.d.

Conclusion

The tested sample of the presented product "**PU Binder 1118**" conforms to the requirements of DIN EN 71 Part 3 category 3.

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