

Report Number: 2020-753-539Rev1

EN 71-3:2019 Safety of Toys - Migration of certain 19 elements

Limits of element migration from accessible parts of toy material
All figures quoted as mg soluble element per kg material

Element	B	Al	Cr(III) Cr(VI)	Mn	Co	Ni	Cu	Zn	As	Se	Sr	Cd	Sn	Organic tin	Ba	Hg	Pb	Sb
Limits Category I (dry, brittle, powder like, pliable) mg/kg	1200	5625	37,5 0,02	1200	10,5	75	622,5	3750	3,8	37,5	4500	1,3	15000	0,9	1500	7,5	2	45
Limits Category II (liquid, sticky) mg/kg	300	1406	9,4 0,005	300	2,6	18,8	156	938	0,9	9,4	1125	0,3	3750	0,2	375	1,9	0,5	11,3
Limits Category III (scraped-off) mg/kg	15000	70000	460 0,053	15000	130	930	7700	46000	47	460	56000	17	180000	12	18750	94	23	560
Description of sample	Results of analysis																	
A Hemway Clear Satin Lacquer Cat <input type="checkbox"/> I Cat II <input type="checkbox"/> Cat III <input checked="" type="checkbox"/>	0,19	1,9	total Cr 0,03	0,33	<0,05*	<0,25*	0,82	1	<0,05*	<0,5*	<0,25*	<0,05*	0,11		0,62	0,05	<0,05*	<0,25*

* Limit of quantification

^a measured with GC/MS

Chrom (VI): Metrohm: 930 Compact IC flex

Test results and evaluation relate to the tested items only.

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Analytical details (EN 71-3 clause 10)

10f Technique used: Inductively coupled plasma

10h Notes for individual sample portions -
the following notes apply to the samples indicated and referenced above:

	Applicable samples:
Between 10 and 100mg taken:	N/A
Sample/volume ratio exceeds 1:50:	N/A
Base material included:	N/A
Samples sieved:	N/A
2M HCl added:	N/A
6M HCl added:	N/A
n-heptane used:	N/A
Samples centrifuged:	N/A
Specimens adjusted to 0.3M:	N/A
Less than 10mg present:	N/A
Others:	N/A

****END OF REPORT****