



Toy products

HCT-202004-03

International toy standard ISO 8124-3 updated to 2020 version

March 2020, the International Organization for Standardization (ISO) published ISO 8124-3:2020, the latest toy safety standard for the migration of certain elements. This latest version of the standard incorporates the changes from ISO 8124-3:2010/Amd.1:2014 and ISO 8124-3:2010/Amd.2:2018.

Main update as below:

1. Newly added two methods for using n-heptane to remove grease, oil, wax or similar materials on solid form materials intended to leave a trace
2. Newly added element test method, element test could use ICP-OES, ICP-MS, AAS or other equivalent methods, and provided a ICP-OES test method for reference.
3. Separating the definitions for paper and paperboard. According to the new requirements, pretreatment for paper board will be the same as paper. But the previous requirement treated paper board as "other material that may be resistant to wetting".

ISO 8124-3 mainly regulates the migration limit of 8 heavy metal elements as below:

| ISO 8124-3:2020 "Migration of certain elements" | | | | | | | | |
|---|-----------------|----|------|----|----|----|----|-----|
| Material | Element (mg/kg) | | | | | | | |
| | Sb | As | Ba | Cd | Cr | Pb | Hg | Se |
| Any toy material except modelling clay and finger paint | 60 | 25 | 1000 | 75 | 60 | 90 | 60 | 500 |
| Modelling clay | 60 | 25 | 250 | 50 | 25 | 90 | 25 | 500 |
| Finger paint | 10 | 10 | 35 | 15 | 25 | 25 | 10 | 50 |

HCT SOLUTION:

HCT hereby reminds enterprises to pay attention to the update of global laws and regulations, to evaluate the products' compliance in advance to ensure safety exportation.

Contact us:

Shenzhen Hongcai testing technology co., LTD. (HCT)

Web: <http://www.hct-test.com/>

Hotline: 400-0066-989T: (86) 755 8416666

Email: service@hct-test.com

Statement: This publication is only educational and does not replace any legal requirements or applicable rules. Information included in the publication will not be revised. HCT does not guarantee that the content contained in the publication without any errors or will meet any particular performance or quality standards. If there is no consent of HCT in advance, please do not quote or refer any information contained in this publication.