

ASTM F2923-20 is Published as the Latest Safety Standard for Children’s Jewelry

This updated ASTM specification establishes requirements and test methods for specified elements and certain mechanical hazards in children's jewelry. It also includes recommendations for age labelling and warnings, as well as guidelines on identifying the primary intended users, especially children. The specification also lists the lead content limits for children's jewelry, the materials that are excluded from the lead limits in children's jewelry, and the approved materials for children's body piercing jewelry, etc.

Significant Changes:

Besides certain editorial changes, there are significant technical changes (item 1) and new requirements (item 2) as described in the following table:

#	Section	Highlight of Changes								
1	§9 “Specification for Cadmium in Certain Substrate Materials of Children’s Jewelry”	<ul style="list-style-type: none"> - Accessible metal or plastic/polymeric components of children’s jewelry shall be screened for total cadmium content. Covered components of children’s jewelry containing 75 ppm or less total cadmium do not need to be tested for migratable cadmium. <i>This is a tightening from previous version’s limit of 300 ppm to now 75 ppm.</i> - Covered components of children’s jewelry that exceed this 75-ppm total content screening level and which are small parts as defined in 16 CFR 1501.4 shall be tested for soluble cadmium using an acid extraction test. - Covered components that are not small parts as defined in 16 CFR 1501.4 shall be tested using a saline extraction test using the method and limits specified in §14.6. 								
2	§11 “Specification for Phthalates in Plasticized Components of Children’s Jewelry”	<p>Plasticized accessible components of children’s jewelry <i>may not contain more than 0.1 percent (1000 ppm)</i> of the following phthalates:</p> <table border="0"> <tr> <td>di-(2-ethylhexyl) phthalates (DEHP)</td> <td>dibutyl phthalate (DBP)</td> </tr> <tr> <td>benzyl butyl phthalate (BBP)</td> <td>diisononyl phthalates (DINP)</td> </tr> <tr> <td>diisobutyl phthalate (DIBP)</td> <td>di-n-pentyl phthalates (DPENP)</td> </tr> <tr> <td>di-n-hexyl phthalates (DHEXP)</td> <td>dicyclohexyl phthalate (DCHP)</td> </tr> </table>	di-(2-ethylhexyl) phthalates (DEHP)	dibutyl phthalate (DBP)	benzyl butyl phthalate (BBP)	diisononyl phthalates (DINP)	diisobutyl phthalate (DIBP)	di-n-pentyl phthalates (DPENP)	di-n-hexyl phthalates (DHEXP)	dicyclohexyl phthalate (DCHP)
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Reference:

<https://www.astm.org/Standards/F2923.htm>

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