Toy tests

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Sharp corners and edges





- Scooters
- Tin toys
- Wooden toys

Kinderroller - Scooter X-large, Manufacturer: Cycletrack, Article No BZ2911, Rapex Week 40-2009, Risk of injury Halogenated compounds (chlorinated hydrocarbons)



 Beilstein test: copper + flame

> = green flame in presence of halogens (chlorine, fluorine)

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- Plasticizers: there are currently no rapid tests available
- Flame retardants: Beilstein test in case of fluorinated, bromiated or chlorinated compounds

Plastic tests

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- Flame test
- Beilstein test
- Swimming test
- pH test

 For the color scheme of the universal indicator different agents are used, which change color with each different pH values.

Such pH indicators are

- <u>Litmus</u>: pH < 4,5 = red, pH > 8,3 = blau
- <u>Phenolphthalein</u>: pH < 8,2 = colorless, pH > 10,0 = pink
- <u>Methyl Orange</u> pH < 3,1 = red, pH > 4,4 = yellow
- Bromothymol blue: pH < 6,0 = yellow, pH > 7,6 = blue

Formaldehyde tests

- Dräger test tube
- Tests with test chamber
- Acetyl-Aceton
 method

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Noise test

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 Decibel measurement on the headphones with a simple sound-level meter (about 30 €)

