

# Restrictions towards the cancer- causing substance PAH

The restriction towards PAH's was introduced in Germany in 2008 for 16 different PAH's. The standard ZEK 01.4-08 since 2012 expanded the total number of regulated PAH to 18.

EU commission regulation 1271/2013 include PAH in the REACH restricted list from December 2015.

Nemko assist manufacturers in evaluation of test need based upon contact likelihood and testing of materials/ products.

PAHs are substances that can cause following effects:

- Likely causes of cancer in humans
- Causes skin disorders in humans and animals
- Causes harmful developmental and reproductive effects

Limits for the PAH concentration according to German legislation.

Parameter	Category 1	Category 2	Category 3
	Material in direct contact with food, or materials indented to be put in the mouth and toys for children aged < 36 months	Material not covered by category 1, with foreseeable contact to skin for longer than 30 seconds (long-term skin contact)	Material not covered by category 1 and 2, with foreseeable contact to skin up to 30 seconds (short term skin contact)
Benzo[a]pyren mg/kg	Not detectable (< 0,2)	1	20
Sum 18 PAH mg/kg	Not detectable (< 0,2)	10	200

**Source URL:** <https://www.nemko.com/product-certification/environmental-certification/restrictions-towards-cancer-causing-substance-pah>