

QUALITY AND
MONITORED SAFETY

WATERCOLOUR PAINTS
COLOURED PENCILS
OPAQUE COLOURS
MODELLING BEESWAX
WAX CRAYONS
DECORATING WAX

For decades, the quality of its products has been central to STOCKMAR's development. The pioneering quality of STOCKMAR products became evident when the effects of products and raw materials on people and the environment became a matter of public interest.

STOCKMAR'S EXTRA MONITORING PROGRAMME

European standard DIN EN 71 sets limits for hazardous substances including heavy metals and aromatic amines for toys, writing utensils, paints and modelling wax.

But it doesn't go far enough for STOCKMAR. So STOCKMAR added new parameters to its quality control programme. This takes into account all hazardous material groups that can be present in raw materials or after production in wax crayons, watercolours, modelling beeswax, decorating wax, opaque colours and coloured pencils.

STOCKMAR MONITORING PROGRAMME

- Heavy metals
- Aromatic amines
- Pesticides*
- Polychlorinated biphenyls*
- Polycyclic aromatic hydrocarbons*
- Organohalogen compounds (AOX)*
- MOAH*

Cooperation with an independent laboratory

In consultation with an independent laboratory, investigation parameters are defined, raw materials selected and production set up in such a way that the use of STOCKMAR products is harmless.

An independent laboratory regularly tests for the following parameter groups in raw materials and finished products:

- Pesticide residues*
- Polychlorinated biphenyls*
- MOAH
- AOX
- Heavy metals, aromatic amines
- Polycyclic aromatic hydrocarbons*

The hazardous materials investigated are widespread in the environment, and represent a potential hazard for human health.

STOCKMAR has voluntarily included the hazardous materials marked * in its monitoring programme.

STOCKMAR products do not endanger human health or the environment in any way.

PESTICIDES

Pesticides can enter raw materials, and especially beeswax, in various ways. Pesticides are taken up by bees when they collect pollen from treated plants. The bees then contaminate the wax. It also happens that beekeepers treat their bees against bee-specific mite infestation with acaricides. Organic colours can also be contaminated with pesticide residues.

POLYCHLORINATED BIPHENYLS

Polychlorinated biphenyls (PCBs) have been used in many industries in the past decades. These industrial chemicals have entered the environment in quantity and are a major health hazard.

Since for toys there are no limit values either for pesticide residues or for polychlorinated biphenyls, STOCKMAR applies the lower end of the maximum permissible limits for foods.

HEAVY METALS

Heavy metals and primary aromatic amines can be contained in certain pigments or occur as contaminants in raw materials. The levels of heavy metals found in STOCKMAR products are far below the limit values in European standard EN-71.

AROMATIC AMINES

Constant testing of pigments for aromatic amines has led to a rigorous selection of the colour mixtures used, with the goal of eliminating aromatic amine contamination from STOCKMAR products.

POLYCYCLIC AROMATIC HYDROCARBONS

Polycyclic aromatic hydrocarbons (PAHs) can form during the production of waxes or occur in beeswax and pigments. The PAH levels measured thus far are at the limit of detectability and are very low.

AOX (ORGANOHALOGEN COMPOUNDS)

The newest findings show that the causes for the very low levels of AOX that have been found in samples are attributable to halogenated pigments. The phthalocyanines we use represent the Best Available Technology, and so are very high-quality and low in hazardous substances.

MOAH

Our raw materials are subject to constant testing for MOAH, with the goal of eliminating MOAH contamination from the pure, high-melting paraffins used in our STOCKMAR products.

The food-safe microcrystalline waxes used in our wax crayons have been tested and approved as food-safe by the European Food Safety Authority (EFSA).

Provided that the recommendation of Cosmetics Europe is complied with, the German Federal Institute for Risk Assessment (BfR) does not expect oral ingestion to have any effects on health¹.

¹ Updated statement No 008/2018 of the BfR, issued on 19 February 2018

STOCKMAR products bear international quality seals

HALLMARKS

EG (EN71) Conforms to ASTM
D-4236



With this seal, STOCKMAR stands behind the quality of its products.

STOCKMAR quality is monitored safety.

STOCKMAR products are hazardous neither to people nor the environment.

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