SGS

INSTITUT FRESENIUS

Prüfbericht Nr. / test report no. 2388274

Zeller Trevert Handes GmbH
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Wenn 4-Aminodiphenyl (CAS Nr. 92-67-1), 2-Naphthylamin (CAS Nr. 91-59-8) und/oder 4-Methoxy-m-phenylendiamin (CAS Nr. 615-05-4) detektiert werden, können verbotene AZO Farbstoffe nicht eindeutig ohne Zusatzinformationen bzw. ggf. die Struktur der verwendeten Farbstoffe identifiziert werden.

Falls PU Materialien verwendet werden sind, z.B. PU Schaum, Beschichtungen, Gewebepaste, nicht ausgeschlossen werden, dass bestimmte Aniline wie z.B. 4,4'-Methylendianilin (MDA, CAS Nr. 101-77-9) und 3,4-Tolylendiamin (TDA, CAS Nr. 95-80-7) von PU Materialien freigesetzt werden. Nur in einem verbotenen AZO Farbstoff kommen.

In Fällen von Pigmentdrucken, z.B. basierend auf 4,4'-Methylendianilin (MDA, CAS Nr. 101-77-9) könnte eine Sensibilisierung und/oder AZO Farbstoffen, sowohl auch andere chemische Substanzen, wie Trägermaterialien, kann nicht ausgeschlossen werden.

Requirement: < 30 mg/kg LFGB section 30 § 1 or Regulation (EC) No. 1907/2006 annexing Annex XVII of Regulation (EC) No. 1907/2006

Comment:

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphthylamine (CAS number 91-59-8) and/or 4-methoxy-m-phenylenediamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In cases where polyurethane materials are used, e.g. PU foams, any coatings and/or pastes, it cannot be ruled out that certain aromatic amines (MDA, CAS number 101-77-9 and 2,4-toluylendiamine (TDA, CAS number 95-80-7) are released from the PU component and originate from a banned azo colorant.

In cases of pigment prints there has to be taken into account that 4-methylenedianiline (MDA, CAS number 101-77-9) is not necessarily a source of banned aromatic amines but rather e.g. a cleavage of binding agents.

Formaldehyd / Formaldehyde

Prüfmethode / Test Method
DIN EN 717-2 (Gasmessprüfverfahren)
DIN EN 717-2 (Gas test method)

Testergebnis / Test result(s)	Einheit / Unit	Ergebnis / Result
		1
Formaldehyd (50/08 °C) / Formaldehyde (50/08 °C)	mg H(CHO)/m²	1.6

Bewertung / Note

Anforderung: max. 3,5 mg H(CHO)/m² (Gerätekammerverfahren) / max. 0,5 mg/100 g (Perforatorverfahren) nach Ziff. 3 der Bundesgesundheitsblatt 34 (1991), NBM Prüfbestimmung 0,5 mg/100 g (Perforatorverfahren)

Requirement: max. 3.5 mg H(CHO)/m² (Gerätekammerverfahren) / max. 0.5 mg/100 g (Perforatorverfahren) according to German Chemicals Prohibition Ordinance, Annex 1, paragraph 34 (1991). If the limit of the perforator method of 0.5 mg/100 g is met, the limit is not exceeded.

*** Ende des Berichts *** / *** End of test report ***

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