Chemistry - Food Chemistry

Biochemistry - Microbiology

CHEMISCHES LABORATORIUM Dr. Stegemann

Chemical Laboratory Dr. Stegemann
Leimbrink 2 - D-49124 Georgsmarienhütte

From the chamber of commerce publicy appointed and sworn court-appointed expert for chemistry, chemistry of waste, physical and chemical testing of synthetic materials, oils, building materials and corrosion.

Water-Waste Water-Drinking Water -Technical Water-Groundwater-Soil-Food-Hygiene-Objects of Daily Use-Industrial Waste-Advisory Service in Waste Water Disposal-Material Testing- consulting- Court Expert´s Evidence for Material Damages

Stockmeier Urethanes GmbH & Co. KG
Im Hengstfeld 15
32657 Lemgo

2017-01-05

Analysis Report

116111311

Sample	:	**Plastic sample Stobielast S136.** (cured PU binder)**
Package	:	loose in a plastic bag
Period of Testing	:	from 2016-12-07 to 2016-12-20
Sampling	:	by our customer

Parameter / **Method**	**Actual Value**	**Limit Values**	**Unit**
Migration according to EN 71-3			
Aluminium	<1,0	70000	mg/kg DM
DIN EN ISO 12020 E25			
Antimony	<0,10	560	mg/kg DM
DIN EN ISO 15586 E4			
Arsenic	<0,20	47	mg/kg DM
DIN D 38405-35			
Barium	<20	18750	mg/kg DM
in Anl.an DIN 38406 E28			
Boron	21	15000	mg/kg DM
DIN 38405 D17			
Cadmium	<0,80	17	mg/kg DM
DIN EN ISO 5961			
Chromium	<8,0	460	mg/kg DM
DIN EN 1233			
Chromium (VI)	<0,10	0,2	mg/kg DM
DIN 38405 D24			
Cobalt	<4,0	130	mg/kg DM
DIN EN ISO 15586 E4			
Copper	<4,0	7700	mg/kg DM
DIN 38406 E 7-1			
Lead	<4,0	160	mg/kg DM
DIN 38406 E6-1			

Acredited Laboratory:
Phone +49 5401 8636-0
FAX + 49 5401 8636-36
info@labor-stegemann.de
www.labor-stegemann.de

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-14080-01-00

Chemical Laboratory Dr. Stegemann
Leimbrink 2 - D-49124 Georgsmarienhütte

Parameter / Method	Actual Value	Limit Values	Unit
Manganese	<0,05	15000	mg/kg DM
i. A. DIN 38406 E33-1/HM			
Mercury	<0,40	94	mg/kg DM
DIN EN ISO 12846			
Nickel	<8,0	930	mg/kg DM
DIN 38406 E11-1			
Selenium	<0,20	460	mg/kg DM
EN ISO 15586 E-4			
Strontium	<20	56000	mg/kg DM
i.A.DIN 38406 E-7			
Tin	0,26	180000	mg/kg DM
i.A.DIN EN 1233 (E10)			
Zinc	<0,40	12	mg/kg DM
DIN 38406 E8			
Analysis in the original matter			
PAH Sum 8 acc. to VO (EU) No. 1272/2013	<0,20	each 1	mg/kg DM
AfPS GS 2014:01/US EPA 8270 GC-MS			

Assessment

The analyzed material is classfied according to the european standard EN 71-3 „Safety of Toys" as catagory III material. The limit values belonging to category III are listed in the third column. The tested material meets the requirements of the EN 71-3 safely.

The material also meets the requirements of the Regulation (EG) No. 1907/2006 (REACH), annex XVII, entry 50 in addition with the Regulation (EG) No. 1272/2013 from 27.12.2015 for the PAH concentration in plastic materials to come in contact with human skin.

D. Stegemann

Dr. Dirk Stegemann
- Chemist / Test Chord -

Acredited Laboratory:
Phone +49 5401 8636-0
FAX + 49 5401 8636-36
info@labor-stegemann.de
www.labor-stegemann.de