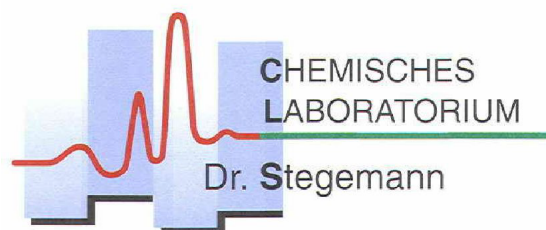


Chemistry - Food Chemistry

Biochemistry - Microbiology



Chemical Laboratory Dr. Stegemann
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From the chamber of commerce publicly 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

2021-08-27

Page 1 of 2

Analysis Report

121070027

Entry of Sample : Postal Service at 2021-07-01
Sample : **Sample 9006888 Hanit 3**
Period of Testing : from 2021-07-06 to 2021-07-26

Parameter	Actual Value	Limit Values	Unit
Method			
Elutable elements acc. to EN 71-3 (2019)			
Migration / Toys			
EN 71-3: 2019-08			
Aluminium	30,4	70000	mg/kg DM
DIN EN ISO 12020 E25: 2000-05			
Antimony	0,24	560	mg/kg DM
DIN EN ISO 15586 E4: 2004-02			
Arsenic	<0,04	47	mg/kg DM
EN ISO 15586 E4: 2004-02			
Barium	<40	18750	mg/kg DM
DIN 38406 E28			
Boron	6,0	15000	mg/kg DM
DIN 38405 D17: 1981-03			
Cadmium	<0,8	17	mg/kg DM
DIN ISO 11047: 2003-05			
Chromium	0,23	460	mg/kg DM
DIN ISO 11047: 2003-05			
Chrom VI (Migration)	<0,25	0,053	mg/kg TS
DIN 38405 D40			
Cobalt	<4	130	mg/kg DM
DIN EN ISO 15586 E4: 2004-02			
Copper	<4	7700	mg/kg DM
DIN ISO 11047: 2003-05			

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to the items tested or calibrated.
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approval of the testing laboratory

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Parameter	Actual Value	Limit Values	Unit
Method			
Lead DIN 38406 E6-1:1998-07	<4	23	mg/kg DM
Manganese i. A. DIN 38406 E33-1:2000-06/HM	5,3	15000	mg/kg DM
Mercury DIN EN ISO 12846 E-12:2012-08	<0,04	94	mg/kg DM
Nickel DIN ISO 11047: 2003-05	<4	930	mg/kg DM
Selenium EN ISO 15586 E-4: 2004-02	<0,04	460	mg/kg DM
Strontium i.A.DIN 38406 E-7: 1991-09*	<20	56000	mg/kg DM
Tin i.A.DIN EN 1233 E-10:1996-08	<0,8	180000	mg/kg DM
Zinc DIN ISO 11047: 2003-05	10,9	46000	mg/kg DM

Assessment

The analysed plastic material meets the requirements of the DIN EN 71-3 (2019) "Safety of Toys Part 3: Migration of Certain Elements". The quoted limit values refer to category III.

D. Stegemann

Dr. Dirk Stegemann
- Chemist / Test Chord -

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