

Poročilo o preskusu / Test Report

Št. / No.:

T211-0239/12

Datum / Date:

2012-06-20

Proizvod / Product	Listov / Pages
Material of Surface and Flush mounted Installation boxes Models of boxes : N8-C, N12-C, N18-C, N24-C, N36-C, N2x18-C, N48-C, U8-C, U12-C, U18-C, U24-C, U36-C, U2x18-C, N8-CW, N12-CW, N18-CW, N24-CW, N36-CW, N2x18-CW, N48-CW, U8-CW, U12-CW, U18-CW, U24-CW, U36-CW, U2x18-CW, N4-D, N8-D, N12-D, N24-D and N36-D	4
Naročnik / Applicant	Vrsta preskusa / Test procedure
TEHNOPLAST d.o.o. Zdravka Jekića 119 22305 Stari Banovci, Serbia	RoHS (XRF)
Proizvajalec / Manufacturer	Št. Merjencev / No. of Items tested
TEHNOPLAST d.o.o. Zdravka Jekića 119 22305 Stari Banovci, Serbia	2
Blagovna znamka / Trade Mark	Mapa predmeta št. / Subject File No.
/	C20121023
Standardi – predpisi / Standards - regulations	Kraj preskusa / Place of test
EU Directive 2011/65/EU (2002/95/EC; EU Commission decision 2005/618/EC, 2005/717/EC, 2005/747/EC 2006/310/EC, 2006/690/EC, 2006/691/EC, 2006/692/EC, 2008/385/EC, 2009/428/EC, 2009/433/EC and 2010/571/EC)	SIQ, Ljubljana
	Opomba / Remark
	/

Zaključek / Conclusion

Rezultati preskusov se nanašajo samo na preskušene vzorce. / The test results relate only to the items tested.
Datum prispetja vzorcev / Date of receipt of test items: 2012-04-03

Odgovoren za preskušanje / Responsible for the test

Tibor Kokelj

Vodja področja / Department Manager

Tomaž Knez

1. Opis proizvoda / Sample description:

Naziv proizvoda / Product name: Material of Surface and Flush mounted Installation boxes

Blagovna znamka / Trade mark: /

Modeli / Models of boxes : N8-C, N12-C, N18-C, N24-C, N36-C, N2x18-C, N48-C, U8-C, U12-C, U18-C, U24-C, U36-C, U2x18-C, N8-CW, N12-CW, N18-CW, N24-CW, N36-CW, N2x18-CW, N48-CW, U8-CW, U12-CW, U18-CW, U24-CW, U36-CW, U2x18-CW, N4-D, N8-D, N12-D, N24-D and N36-D

2. Informacije o materialih / Material Information:

See Table in Clause 4

3. Zahteve / Requirements

Omejene substance in njihove maksimalne dovoljene vsebnosti: <i>Restricted substances and their maximum permissible levels:</i>	
Kadmij / Cadmium (Cd)	100 ppm
Živo srebro / Mercury (Hg)	1000 ppm
Svinec / Lead (Pb)	1000 ppm
Šestvalentni krom / Hexavalent chromium (Cr(VI))	1000 ppm
Polibromirani bifenili / Polybrominated Biphenyls (PBB)	1000 ppm
Polibromirani difenil etri / Polybrominated Diphenyls Ethers (PBDE)	1000 ppm
Deca bromo difenil etri / Decabromodiphenyl Ethers (dBDE)	1000 ppm

4. Rezultati preskusov / Test Results

Možne ugotovitve preskušanja / Test case verdicts

Preskušani vzorec izpolnjuje zahteve / Test item does meet the requirement..... :	P (pass)
Preskušani vzorec izpolnjuje zahteve z upoštevanjem izjem directive / Test item does meet the requirement with consideration of granted exemption :	P# (pass)
Preskušani vzorec ne izpolnjuje zahtev / Test item does not meet the requirement..... :	F (fail)
Potrebne je izvedba bolj natančne metode analitične kemije za ugotovitev natančne vsebnosti / Further methods of analytical chemistry should be used to determine correct concentration..... :	INC (inconclusive)
Koncentracija oziroma vsebnost ugotovljene substance je pod nivojem dovoljenega oziroma njena prisotnost ni bila ugotovljena / Concentration of substance is well bellow limit or not-detected..... :	WBL (Well Bellow Limit)



Vzorec <i>Test item</i>	Opis <i>Description</i>	Rezultati preskusov / Test Results (ppm – če ni navedeno drugače / ppm - if not stated otherwise)					Ugotovitev <i>Verdict</i>
		Pb	Hg	Cd	Cr VI (celoten / complete Cr)	PBB, PBDE, dBDE (celoten / complete Br)	

N8-C, N12-C, N18-C, N24-C, N36-C, N2x18-C, N48-C, U8-C, U12-C, U18-C, U24-C, U36-C, U2x18-C, N8-CW, N12-CW, N18-CW, N24-CW, N36-CW, N2x18-CW, N48-CW, U8-CW, U12-CW, U18-CW, U24-CW, U36-CW, U2x18-CW							
1	Terminals (plastic material); (BASF / Ultramid KR 4450)	WBL	WBL	WBL	WBL	WBL	P
2	Terminals (screws)	WBL	WBL	WBL	WBL	WBL	P
3	Terminals (body)	2,76 % ± 0,06 %	WBL	WBL	WBL	WBL	P#
4	»DIN rail« assembly screw	WBL	WBL	WBL	WBL	WBL	P
5	»DIN rail«	WBL	WBL	WBL	WBL	WBL	P
6	Enclosure (rear); (Chi Mei / POLYLAC ABS PA 737)	WBL	WBL	WBL	WBL	WBL	P
7	Enclosure (front); (Chi Mei / POLYLAC ABS PA 737)	WBL	WBL	WBL	WBL	WBL	P
8	Enclosure (door); (Chi Mei / POLYLAC ABS PA 737)	WBL	WBL	WBL	WBL	WBL	P
N4-D, N8-D, N12-D, N24-D and N36-D							
1	Terminals (plastic material); (BASF / Ultramid KR 4450)	WBL	WBL	WBL	WBL	WBL	P
2	Terminals (screws)	WBL	WBL	WBL	WBL	WBL	P
3	Terminals (body)	2,76 % ± 0,06 %	WBL	WBL	WBL	WBL	P#
4	»DIN rail« assembly screw	WBL	WBL	WBL	WBL	WBL	P
5	»DIN rail«	WBL	WBL	WBL	WBL	WBL	P
6	Enclosure (rear); (LG / ASA LI-911)	WBL	WBL	WBL	WBL	WBL	P
7	Enclosure (front); (LG / ASA LI-911)	WBL	WBL	WBL	WBL	WBL	P
8	Enclosure (door); (BASF / PC)	WBL	WBL	WBL	WBL	WBL	P

Opombe / Remark:

- ppm = mg/kg
- Rezultat za šestvalentni Krom je podan kot vsebnost celotnega Kroma. Rezultat za PBB, PBDE in dBDE je podan kot vsebnost celotnega Broma.
Reported Chromium VI result is determined as total Chromium, and Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) and Decabromodiphenyl Ethers (dBDEs) results are determined as total Bromine
- Fotografije preskušanih komponent so shranjene v SIQ mapi predmeta št.: C20121023
Photos of tested components are stored in SIQ Subject File No.: C20121023

5. Izjeme / Exemptions

Exemption No. 6 for test item No.3 (Lead as an alloying element in steel containing up to 0,35 % lead by weight, aluminium containing up to 0,4 % lead by weight and as a copper alloy containing up to 4 % lead by weight)

6. Analizna metoda in merilna oprema / Analysis method and measuring equipment

a) Metoda / Method

XRF metoda skeniranja – IEC 62321 Ed.1; Postopki za ugotovitev nivojev omejenih substanc v elektrotehničnih proizvodih (poglavje 6).

XRF screening method – IEC 62321, Ed. 1); Procedures for the determination of levels of regulated substances in electro technical products (Chapter 6).

Merilna oprema / Measuring equipment

NITON XLt Analyzer Type 797W

7. Slike / Photos

