

GRATNELLS LTD  
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 HARLOW  
 ESSEX  
 CM20 2SU  
 UNITED KINGDOM  
 Attn: Anthony Byrne

**Test Report No. BTO 276813/2**  
**Issue Date: 3<sup>rd</sup> March 2020**

The following sample was submitted and identified by the client as:

**Sample Name:** Gratnells Trays- Translucent  
**Sample Description:** Rectangular translucent plastic tray, 31x25x15 cm.  
**Sample Submitted:** 14<sup>th</sup> February 2020  
**Testing Period:** Testing conducted between 25<sup>th</sup> February 2020 and 28<sup>th</sup> February 2020  
*(Please note that this testing was conducted at another laboratory within the SGS group of companies)*

**Result Summary:**

Test Requested	Conclusion
<b>Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 – EN71-3:2019 Migration of certain elements</b>	PASS

Signed for and on behalf of  
 SGS United Kingdom Ltd.



.....  
 Chris Walker, BSc (Hons)  
 Technical Manager

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**APPENDIX****Test Results:**

**Directive 2009/48/EC and its Amendment council Directive (EU) 2017/738, Commission Directive (EU) 2018/725  
– EN71-3:2019 – Migration of certain elements**

Category III: Scraped-off toy material

Method: With reference to EN 71 Part 3: 2019. Analysis of general elements was performed by ICP- OES.

Test Item(s)	Result(s) (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit EN71-3:2019 (mg/kg)
<b>Specimen No.</b>	<b>A1</b>	-	-
<b>Mass of trace amount</b> (mg)	--	-	-
Soluble Aluminium (Al) (mg/kg)	ND	50	70 000
Soluble Antimony (Sb) (mg/kg)	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	50	18 750
Soluble Boron (B) (mg/kg)	ND	50	15 000
Soluble Cadmium (Cd) (mg/kg)	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	0.053	--
Soluble Chromium#(III) (Cr (III)) (mg/kg)	--	5	460
Soluble Chromium#(VI) (Cr(VI)) (mg/kg)	--	0.053	0.053
Soluble Cobalt (Co) (mg/kg)	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	50	7 700
Soluble Lead (Pb) (mg/kg)	ND	10	23
Soluble Manganese (Mn) (mg/kg)	ND	50	15 000
Soluble Mercury (Hg) (mg/kg)	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	50	56 000
Soluble Tin (Sn) (mg/kg)	ND	4.9	180 000
Soluble Organic Tin <sup>^</sup> (mg/kg)	--	--	12
Soluble Zinc (Zn) (mg/kg)	ND	50	46 000
<b>Conclusion</b>	<b>PASS</b>	--	--

Specimen Description:

A1. Transparent plastic main

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## Note:

- mg/kg = milligram per kilogram
- ND = Not Detected
- 1% = 10000mg/kg = 10000ppm
- # Confirmation test of soluble chromium (III) and chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2019.
- ^ Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirements as specified in EN71-3:2019



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\*\*\* End of Report \*\*\*

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