

**GRATNELLS LTD** 8 HOWARD WAY **HARLOW ESSEX** CM20 2SU

Attn: Robin Wass

Test Report No. BAN 192682/1 Issue Date: 15th August 2014

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

Sample Name:

Smartcase.

Sample Description:

Plastic smart case in 8 different colours, each with a handle.

Sample Reference:

None Supplied.

Date of Receipt:

15<sup>th</sup> July 2014

**Testing Period:** 

Testing conducted between 24th July 2014 and 7th August 2014.

(Please note that this testing was conducted at another laboratory within the SGS group

of companies)

Testing Required:

Please refer to the result summary

Test Method &

Results:

Please refer to next page(s)

**Result Summary:** 

Test Requested	Conclusion
EN71 Part 9:2005+A1:2007-	
Organic Chemical Compounds – Requirement	
(Selected tests item as specified by the applicant, please refer to test result page(s) for details))	a
Solvents (Migration)	Pass

Signed for and on behalf of SGS United Kingdom Ltd.

Chris Walker, BSc (Hons) Technical Manager

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## **Test Results:**

# EN71 Part 9:2005 + A1:2007 - Organic Chemical Compounds - Requirements

#### Solvents (Migration)

#### Method:

With reference to EN71-10:2005 and EN71-11:2005
Analysis was performed by Headspace Gas Chromatography Mass Spectrometer (HS-GC-MS) and Gas Chromatography Mass Spectrometer (GC-MS)

Test items	CAS Number	Result (mg/L)			MDL (mg/L)	Limit (mg/L)
		1	2	3		
Trichloroethylene	79-01-6	ND	ND	ND	0.006	0.02
Dichloromethane	75-09-2	ND	ND	ND	0.02	0.06
2-Methoxyethyl acetate	110-49-6					
2-Ethoxyethanol	110-80-5					
2-Ethoxyethyl acetate	111-15-9		ND		0.1	0.5
Bis (2-methoxyethyl)	111-96-6					(total)
ether						
2-Methoxypropyl	70657-70-4					9
acetate						
Methanol	67-56-1	ND	ND	ND	0.5	5
Nitrobenzene	98-95-3	ND	ND	ND	0.006	0.02
Cyclohexanone	108-94-1	ND	ND	ND	0.1	46
3,5,5-Trimethyl-2-	78-59-1	ND	ND	ND	0.1	3
cyclohexene-1-one						
Toluene	108-88-3	ND	ND	ND	0.1	2
Ethylbenzene	100-41-4	ND	ND	ND	0.1	1
Xylene (all isomers)	Various	ND	ND	ND	0.3	2(total)

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### **Test Results cont:**

Test items	CAS Number	Result (mg/L)			MDL (mg/L)	Limit (mg/L)
		4	5	6		
Trichloroethylene	79-01-6	ND	ND	ND	0.006	0.02
Dichloromethane	75-09-2	ND	ND	ND	0.02	0.06
2-Methoxyethyl acetate	110-49-6					
2-Ethoxyethanol	110-80-5					
2-Ethoxyethyl acetate	111-15-9		ND		0.1	0.5
Bis (2-methoxyethyl)	111-96-6					(total)
ether						
2-Methoxypropyl	70657-70-4					
acetate						
Methanol	67-56-1	ND	ND	ND	0.5	5
Nitrobenzene	98-95-3	ND	ND	ND	0.006	0.02
Cyclohexanone	108-94-1	ND	ND	ND	0.1	46
3,5,5-Trimethyl-2-	78-59-1	ND	ND	ND	0.1	3
cyclohexene-1-one						
Toluene	108-88-3	ND	ND	ND	0.1	2
Ethylbenzene	100-41-4	ND	ND	ND	0.1	1
Xylene (all isomers)	Various	ND	ND	ND	0.3	2(total)

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### Test Results cont:

Test items	CAS Number		sult g/L)	MDL (mg/L)	Limit (mg/L)
		7	8		
Trichloroethylene	79-01-6	ND	ND	0.006	0.02
Dichloromethane	75-09-2	ND	ND	0.02	0.06
2-Methoxyethyl acetate	110-49-6	ND		0.1	0.5 (total)
2-Ethoxyethanol	110-80-5				
2-Ethoxyethyl acetate	111-15-9				
Bis (2-methoxyethyl)	111-96-6				
èther					
2-Methoxypropyl	70657-70-4				
acetate					
Methanol	67-56-1	ND	ND	0.5	5
Nitrobenzene	98-95-3	ND	ND	0.006	0.02
Cyclohexanone	108-94-1	ND	ND	0.1	46
3,5,5-Trimethyl-2-	78-59-1	ND	ND	0.1	3
cyclohexene-1-one					
Toluene	108-88-3	ND	ND	0.1	2
Ethylbenzene	100-41-4	ND	ND	0.1	1
Xylene (all isomers)	Various	ND	ND	0.3	2(total)

### **Specimen Description:**

- 1. Black plastic
- 2. Orange plastic
- 3. Yellow plastic
- 4. Light green plastic
- 5. Blue plastic
- 6. Green plastic
- 7. Red plastic
- 8. Silvery plastic

#### Note:

- mg/L = Milligram per litre
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit

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

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