

GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU

Attn: Robin Wass

Test Report No. BTO 192525/3
Issue Date: 18th August 2014

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

Sample Description: Smartcase

Details of Sample: Hinged plastic case 37x32 cm, with handle on short edge. Supplied as two separate mouldings. 8 colours.

Date of Receipt: 11th July 2014

Testing Period: Testing conducted between 25th July 2014 and 14th August 2014.

Testing Requested: Phthalate Content*
**(Please note that this testing was subcontracted to another laboratory with the SGS Group of Companies)*

Test Method: With reference to EN 14372:2004. Analysis was performed by Gas Chromatography / Mass Spectrometry.

Test Results: See page 2 for details

Conclusion: The level of the six phthalates did not exceed the limits specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)

Signed for and on behalf of
SGS United Kingdom Ltd.



Chris Walker, BSc (Hons)
Technical Manager

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Results:

	Results (%)			Recommended Max Limit (%)
	1	2	3	
Dibutyl Phthalate (DBP)	ND	ND	ND	-
Benzylbutyl Phthalate (BBP)	ND	ND	ND	-
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	ND	ND	-
Total (DEHP, DBP, BBP)	ND	ND	ND	0.1
Conclusion	Pass	Pass	Pass	

	Results (%)			Recommended Max Limit (%)
	1	2	3	
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	-
Diisononyl Phthalate (DINP)	ND	ND	ND	-
Diisodecyl Phthalate (DIDP)	ND	ND	ND	-
Total (DINP, DIDP, DNOP)	ND	ND	ND	0.1
Conclusion	Pass	Pass	Pass	

	Results (%)			Recommended Max Limit (%)
	4	5	6	
Dibutyl Phthalate (DBP)	ND	ND	ND	-
Benzylbutyl Phthalate (BBP)	ND	ND	ND	-
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	ND	ND	-
Total (DEHP, DBP, BBP)	ND	ND	ND	0.1
Conclusion	Pass	Pass	Pass	

	Results (%)			Recommended Max Limit (%)
	4	5	6	
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	-
Diisononyl Phthalate (DINP)	ND	ND	ND	-
Diisodecyl Phthalate (DIDP)	ND	ND	ND	-
Total (DINP, DIDP, DNOP)	ND	ND	ND	0.1
Conclusion	Pass	Pass	Pass	

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	Results (%)		Recommended Max Limit (%)
	7	8	
Dibutyl Phthalate (DBP)	ND	ND	-
Benzylbutyl Phthalate (BBP)	ND	ND	-
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	ND	-
Total (DEHP, DBP, BBP)	ND	ND	0.1
Conclusion	Pass	Pass	

	Results (%)		Recommended Max Limit (%)
	7	8	
Di-n-octyl Phthalate (DNOP)	ND	ND	-
Diisononyl Phthalate (DINP)	ND	ND	-
Diisodecyl Phthalate (DIDP)	ND	ND	-
Total (DINP, DIDP, DNOP)	ND	ND	0.1
Conclusion	Pass	Pass	

Sample Details:

1. Blue plastic
2. Medium green plastic
3. Orange plastic
4. Yellow plastic
5. Black plastic
6. Grey plastic
7. Light green plastic
8. Red plastic

Note: N.D. = Not Detected

* = exceed the limit

% = percentage by weight

Detection Limit:

DBP, BBP, DEHP and DNOP = 0.003% (for individual compound)

DINP and DIDP = 0.01% (for individual compound)

Remark:

0.1% for Total (DBP+BBP+DEHP) For all childcare articles

0.1% for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth

Recommended Max Limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)

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*** End of Report ***

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