

No.: SHAEC23016598421

Date: Oct 21, 2023

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Client Name:

HENKEL CORPORATION

Client Address: 14000 Jamboree Road, Irvine, CA 92606

Sample Name:

ABP 8062T

Style/Item No.:

ABP 8062T

Sample Description:

Adhesive

The above sample(s) and information were provided by the client.

SGS Job No.:

SP23-012398

Sample Receiving Date:

Oct 16, 2023

Testing Period:

Oct 16, 2023 ~ Oct 21, 2023

Test Requested:

Select test(s) as requested by the client.

Test Method(s):

Please refer to next page(s).

Test Result(s):

Please refer to next page(s).

Test Requested	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
Other items : - Hexabromocyclododecane (HBCDD) - Beryllium (Be) - Phthalates Content	See Results

Signed for and on behalf of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Dora Hu

Approved Signatory



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No.: SHAEC23016598421

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	SHA23-0165984-0001.C005	Gray paste

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Test Item(s)	Method	Unit	MDL	Result A5	Limit
	With reference to IEC 62321-			Au	
Cadmium(Cd)	5:2013, analysis was	mg/kg	2	ND	100
	performed by ICP-OES.				
	With reference to IEC 62321-				
Lead(Pb)	5:2013, analysis was	mg/kg	2	ND	1000
	performed by ICP-OES.				
	With reference to IEC 62321-				
Mercury(Hg)	4:2013+AMD1:2017, analysis	mg/kg	2	ND	1000
	was performed by ICP-OES.				
	With reference to IEC 62321-		_		
Hexavalent Chromium(Cr(VI))	7-2:2017, analysis was	mg/kg	8	ND	1000
	performed by UV-Vis.				
	With reference to IEC 62321-	,			4000
Sum of PBBs	6:2015, analysis was	mg/kg	-	ND	1000
	performed by GC-MS.				
Manakana kabupat	With reference to IEC 62321-		_	ND	
Monobromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS. With reference to IEC 62321-				
Dibromobiphenyl	6:2015, analysis was	mg/kg	5	ND	
Dibromobiphenyi	performed by GC-MS.	mg/kg	J	IND	_
	With reference to IEC 62321-				
Tribromobiphenyl	6:2015, analysis was	mg/kg	5	ND	_
This of objective	performed by GC-MS.	mg/ng	Ū		
	With reference to IEC 62321-				
Tetrabromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
,	performed by GC-MS.	. 5 5			
	With reference to IEC 62321-				
Pentabromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
•	performed by GC-MS.				
	With reference to IEC 62321-				
Hexabromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.				
	With reference to IEC 62321-				
Heptabromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.				



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Test Item(s)	Method	Unit	MDL	Result A5	Limit
	With reference to IEC 62321-			7.0	
Octabromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.				
	With reference to IEC 62321-				
Nonabromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.				
	With reference to IEC 62321-				
Decabromobiphenyl	6:2015, analysis was	mg/kg	5	ND	-
-	performed by GC-MS.				
	With reference to IEC 62321-				
Sum of PBDEs	6:2015, analysis was	mg/kg	-	ND	1000
	performed by GC-MS.				
	With reference to IEC 62321-				
Monobromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	-
· · · · · · · · · · · · · · · · · · ·	performed by GC-MS.				
	With reference to IEC 62321-				
Dibromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.				
	With reference to IEC 62321-		_		
Tribromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.	1			
	With reference to IEC 62321-	,	_		
Tetrabromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.				
Dantahaan adiahaa dathaa	With reference to IEC 62321-		5	ND	-
Pentabromodiphenyl ether	6:2015, analysis was	mg/kg		ND	
	performed by GC-MS.				
Llovabaga adiabaga dathar	With reference to IEC 62321-		F	ND	
Hexabromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS. With reference to IEC 62321-				
Hontabramadinbany ather		ma/ka	_	ND	
Heptabromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS.				
Octobromodinhonyl other	With reference to IEC 62321-	malka	_	ND	
Octabromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	-
	performed by GC-MS. With reference to IEC 62321-				
Nonabromodiphenyl ether	6:2015, analysis was	malka	5	ND	
Nonabioinodiphenyl ether	performed by GC-MS.	mg/kg	ບ	טא	-
	With reference to IEC 62321-				
Decabromodiphenyl ether	6:2015, analysis was	mg/kg	5	ND	
	performed by GC-MS.	IIIg/kg	9	ND	_
	With reference to IEC 62321-				
Dibutyl phthalate (DBP)	8:2017, analysis was	mg/kg	50	ND	1000
Disaryi pininalare (DDI)	performed by GC-MS.	mg/kg	00	ן טיי	1000
	With reference to IEC 62321-				
Butyl benzyl phthalate (BBP)	8:2017, analysis was	mg/kg	50	ND	1000
butyi berizyi pritrialate (BBP)	performed by GC-MS.	mg/kg	50	טאו	1000



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Test Item(s)	Method	Unit	MDL	Result A5	Limit
Bis (2-ethylhexyl) phthalate (DEHP)	With reference to IEC 62321-8:2017, analysis was performed by GC-MS.	mg/kg	50	ND	1000
Diisobutyl Phthalates (DIBP)	With reference to IEC 62321-8:2017, analysis was performed by GC-MS.	mg/kg	50	ND	1000

Test Item(s)	Method	Unit	MDL	Result A5	Limit
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	With reference to IEC 62321- 9:2021, analysis was performed by GC-MS.	mg/kg	20	ND	-
Beryllium (Be)	With reference to US EPA 3052:1996, analysis was performed by ICP-OES/AAS.	mg/kg	2	ND	-
Diisononyl Phthalate (DINP)	With reference to IEC 62321- 8:2017, analysis was performed by GC-MS.	mg/kg	50	ND	
Di-n-octyl Phthalate (DNOP)	With reference to IEC 62321- 8:2017, analysis was performed by GC-MS.	mg/kg	50	ND	-
Diisodecyl Phthalate (DIDP)	With reference to IEC 62321-8:2017, analysis was performed by GC-MS.	mg/kg	50	ND	-

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

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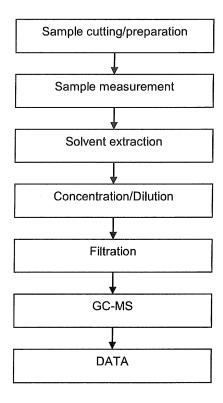
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HBCDD Testing Flow Chart





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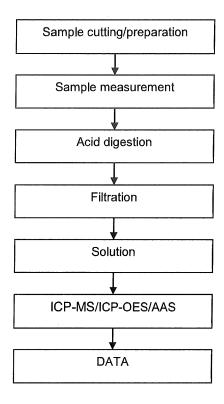


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Elements Testing Flow Chart





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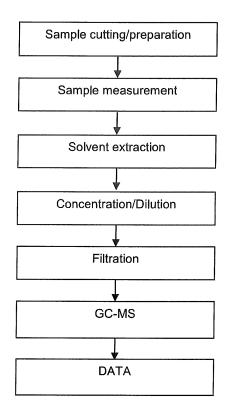


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Phthalates Testing Flow Chart





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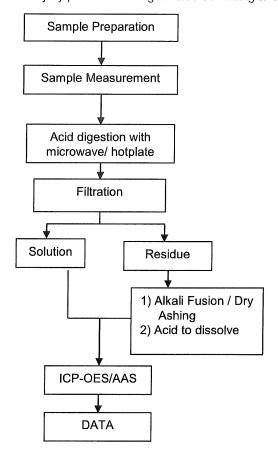
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Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.





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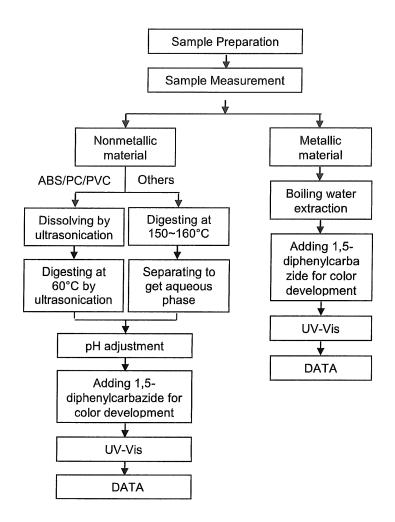


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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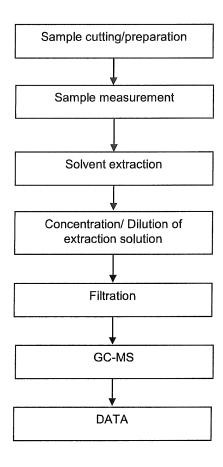


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PBBs/PBDEs Testing Flow Chart





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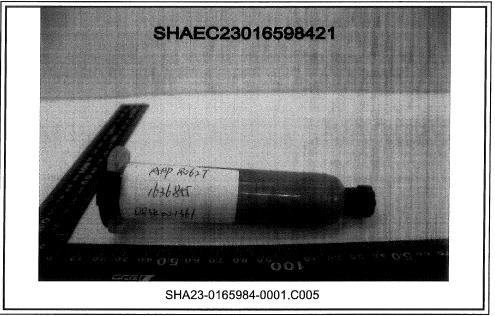


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Sample Photo:



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Date: Oct 21, 2023

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Client Name:

HENKEL CORPORATION

Client Address: 14000 Jamboree Road, Irvine, CA 92606

Sample Name:

ABP 8062T

Style/Item No.:

ABP 8062T

Sample Description:

Adhesive

The above sample(s) and information were provided by the client.

SGS Job No.:

SP23-012398

Sample Receiving Date:

Oct 16, 2023

Testing Period:

Oct 16, 2023 ~ Oct 21, 2023

Test Requested:

Select test(s) as requested by the client.

Test Method(s):

Please refer to next page(s).

Test Result(s):

Please refer to next page(s).

Test Requested	Conclusion
Other items : - Halogen	See Results

Signed for and on behalf of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Dora Hu

Approved Signatory



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	SHA23-0165984-0001.C005	Gray paste

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Test Item(s)	Method	Unit	MDL	Result A5	Limit
Fluorine (F)	With reference to EN 14582:2016, analysis was performed by IC.	mg/kg	50	ND	-
Chlorine (CI)	With reference to EN 14582:2016, analysis was performed by IC.	mg/kg	50	ND	_
Bromine (Br)	With reference to EN 14582:2016, analysis was performed by IC.	mg/kg	50	ND	-
lodine (I)	With reference to EN 14582:2016, analysis was performed by IC.	mg/kg	50	ND	-

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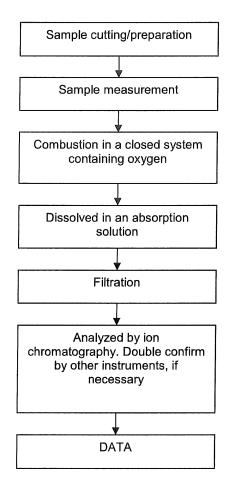


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Halogen Testing Flow Chart





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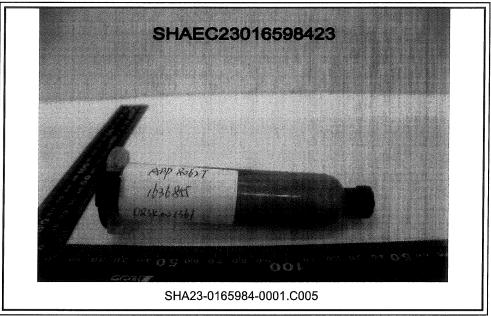


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