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Report No.: 00642-2 SHA23
Date: 07.06.23
Order No.: 23P-001943
Date of order: 06.05.23
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Test Report

Order description:

Chemical Test

Article Name	Kano 5000mAh wireless PB-BK / Kano 10.000mAh wireless PB-BK
Style No.	12414990/12415090
Supplier	#11748/#13757
Condition of sample at delivery	no defects
Arrival date	06.05.23
Test start date	06.05.23
Test end date	07.06.23



Limit lists

Chem.	Limit values according to Client's requirements
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Final conclusion: PASS

Test results and evaluation are only related to tested items and to performed methods. Detailed information regarding measurement uncertainties are available on request. Unless otherwise stated, the statement of conformity decision will be made without taking the measurement uncertainty into account.

Justin Zhu
Reporting Team Supervisor in Chemical Lab

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Summary

23-007925-01 - Kano 5000mAh wireless PB-BK / Kano 10.000mAh wireless PB-BK

PO Number: 657857/657868

Country of Destination: EU

Country of Origin: China

§Revised information and supersedes the previous Report no. 00642-1 SHA23 with Order No. 23P-001943.

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Overview of Chem. testing

Sample no	Type / Style
23-007925-01	-

Component list	
No	Components
01	Cable jacket black soft plastic
02	Cable head black soft plastic
03	Semi-Transparent ring transparent soft plastic
04	ABS casing black plastic

Customer requirements evaluation				
	Components			
	Tested	Result	Failed	Not tested
§Regulation (EC) No. 1907/2006 REACH Annex XVII Item 51 and 52 Phthalates	01, 02, 03	PASS		
Regulation (EC) No. 1907/2006-REACH-2,2-bis (bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	01, 02, 03, 04	PASS		
Regulation (EC) No. 1907/2006-REACH-2-methylimidazole	01, 02, 03, 04	PASS		
Regulation (EC) No. 1907/2006-REACH-Dibutylbis(pentan-2,4-dionato-O,O')zinn (DBTP),Dibutylbis(pentan-2,4-dionato-O,O')tin (DBTP)	01, 02, 03, 04	PASS		
Regulation (EC) No. 1907/2006-REACH-MCCP - Chlorierte Paraffine C14-C17	01, 02, 03, 04	PASS		
Regulation (EC) No. 1907/2006-REACH-PFBS / Perfluorbutansulfonat (Perfluorobutanesulfonate) in %	01, 02, 03, 04	PASS		
Regulation (EC) No. 1907/2006-REACH-Phthalate Content (SVHC)	01, 02, 03	PASS		
Regulation (EC) No. 1907/2006-REACH-Substance of Very High Concern (SVHC) -Tris(2-chlorethyl)-phosphate	01, 02, 03	PASS		
Regulation (EC) No. 1907/2006-REACH-Substance of Very High Concern (SVHC) -Tris(4-nonylphenyl, verzweigt und linear) phosphit (TNPP) (Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	01, 02, 03, 04	PASS		
Regulation (EC) No. 2019/1021-Persistent Organic Pollutants (POPs) Regulation-Short Chain Chlorinated Paraffins (SCCP) Content	01, 02, 03	PASS		

Legend: Chem.: chemical tests, Phys.: physical tests, m.s.: composite sample, n.d.: not determined, n.a.: not applicable, n.t.: not tested, i.m.: insufficient material, sum: see summary, s.c.: see component, pos: positive, neg: negative, min: minimum limit, max: maximum limit, BL: below limit, IN: inconclusive

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Detailed results of Chem. testing

Sample no: 23-007925-01

§Regulation (EC) No. 1907/2006 REACH Annex XVII Item 51 and 52 Phthalates

Sample type: Chem.

Norm: ISO 14389:2014 (modified)

Parameter	Unit	Limit	01+02+03
			Result
Dibutyl phthalate / DBP	%	0.1	<0.005
Butylbenzyl phthalate/ BBP	%	0.1	<0.005
Di-(2ethylhexyl)-phthalate / DEHP	%	0.1	<0.005
Di-iso-butylphthalate / DIBP	%	0.1	<0.005
Di-iso-decylphthalate / DIDP	%	0.1	<0.005
Di-iso-nonylphthalate / DINP	%	0.1	<0.005
Di-n-octylphthalate / DNOP	%	0.1	<0.005
Plasticizers - Phthalates: DEHP, DBP, DIBP, BBP	%	0.1	<0.1
Plasticizer - phthalic acid esters: DINP, DIDP, DNOP	%	0.1	<0.1
Evaluation			PASS

Regulation (EC) No. 1907/2006-REACH-2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)

Sample type: Chem.

Norm: Europe Regulation (EC) No 1907/2006

Parameter	Unit	Limit	01+02+03+04
			Result
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	%	0.1	<0.01
Evaluation			PASS

Regulation (EC) No. 1907/2006-REACH-2-methylimidazole

Sample type: Chem.

Norm: Europe Regulation (EC) No 1907/2006

Parameter	Unit	Limit	01+02+03+04
			Result
2-methylimidazole	%	0.1	<0.01
Evaluation			PASS

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Regulation (EC) No. 1907/2006-REACH-Dibutylbis(pentan-2,4-dionato-O,O')zinn (DBTP),Dibutylbis(pentan-2,4-dionato-O,O')tin (DBTP)

Sample type: Chem.

Norm: Europe Regulation (EC) No 1907/2006

			01+02+03+04
Parameter	Unit	Limit	Result
Dibutylbis(pentan-2,4-dionato-O,O')tin (DBTP)	%	0.1	<0.01
Evaluation			PASS

Regulation (EC) No. 1907/2006-REACH-MCCP - Chlorierte Paraffine C14-C17

Sample type: Chem.

Norm: Europe Regulation (EC) No 1907/2006

			01+02+03+04
Parameter	Unit	Limit	Result
Medium chain chlorinated paraffins C14-C17 (MCCP)	%	0.1	<0.01
Evaluation			PASS

Regulation (EC) No. 1907/2006-REACH-PFBS / Perfluorbutansulfonat (Perfluorobutanesulfonate) in %

Sample type: Chem.

Norm: Europe Regulation (EC) No 1907/2006

			01+02+03+04
Parameter	Unit	Limit	Result
PFBS / Perfluorobutanesulfonate in %	%	0.1	<0.01
Evaluation			PASS

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Regulation (EC) No. 1907/2006-REACH-Phthalate Content (SVHC)

Sample type: Chem.

Norm: Regulation (EC) No. 1907/2006

Parameter	Unit	Limit	01+02+03
			Result
Butylbenzyl phthalate/ BBP	%	0.1	<0.005
Di-(2ethylhexyl)-phthalate / DEHP	%	0.1	<0.005
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	%	0.1	<0.005
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	%	0.1	<0.005
Bis(2-methoxyethyl) phthalate / BMEP	%	0.1	<0.005
Di-iso-butylphthalate / DIBP	%	0.1	<0.005
Dibutyl phthalate / DBP	%	0.1	<0.005
Diisopentylphthalate / DIPP	%	0.1	<0.005
N-Pentyl-isopentylphthalate / PIPP	%	0.1	<0.005
Di-n-hexylphthalate / DnHP	%	0.1	<0.005
1,2-Benzenedicarboxylic acid dipentylester, branched and linear	%	0.1	<0.005
Di-n-pentylphthalate / DNPP	%	0.1	<0.005
Dihexyl phthalate, branched and linear / DHP	%	0.1	<0.005
1,2-benzenedicarboxylic acid, di-C6-10-alkylesters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters, with >= 0,3 % of dihexylphthalate	%	0.1	<0.005
Dicyclohexyl phthalate / DCHP	%	0.1	<0.005
Di-iso-hexyl phthalate / DIHxP	%	0.1	<0.005
Evaluation			PASS

Regulation (EC) No. 1907/2006-REACH-Substance of Very High Concern (SVHC) -Tris(2-chlorethyl)-phosphate

Sample type: Chem.

Norm: Europe Regulation (EC) No 1907/2006

Parameter	Unit	Limit	01+02+03
			Result
Tris(2-chlorethyl)-phosphate	%	0.1	<0.01
Evaluation			PASS

Regulation (EC) No. 1907/2006-REACH-Substance of Very High Concern (SVHC) -Tris(4-nonylphenyl, verzweigt und linear) phosphit (TNPP) (Tris(4-nonylphenyl, branched and linear) phosphite (TNPP))

Sample type: Chem.

Norm: Europe Regulation (EC) No 1907/2006

Parameter	Unit	Limit	01+02+03+04
			Result
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	%	0.1	<0.01
Evaluation			PASS

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Regulation (EC) No. 2019/1021-Persistent Organic Pollutants (POPs) Regulation-Short Chain Chlorinated Paraffins (SCCP) Content

Sample type: Chem.

Norm: DIN EN ISO 18219:2015

			01+02+03
Parameter	Unit	Limit	Result
Short chain chlorinated paraffins C10-C13 (SCCP)	mg/kg	1500	<50
Evaluation			PASS

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The tested item was selected by the client. Remaining test material is disposed after 3 months. The report must not be reproduced except in full content without the written approval of the testing laboratory. The report is signed digitally and password protected. For printing use the print option -document and comments-. The amount of minor components may be insufficient to perform the announced tests. In this case the test report will carry the mark: component insufficient for lab test. If testing of all components is required we need a sufficient amount of all minor components.

§Regulation (EC) No. 1907/2006 REACH Annex XVII Item 51 and 52 Phthalates

Test method: ISO 14389:2014 (modified)

validated in house method

Regulation (EC) No. 1907/2006-REACH-2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)

Test method: Europe Regulation (EC) No 1907/2006

validated in house method

Regulation (EC) No. 1907/2006-REACH-2-methylimidazole

Test method: Europe Regulation (EC) No 1907/2006

validated in house method

Regulation (EC) No. 1907/2006-REACH-Dibutylbis(pentan-2,4-dionato-O,O')zinn (DBTP),Dibutylbis(pentan-2,4-dionato-O,O')tin (DBTP)

Test method: Europe Regulation (EC) No 1907/2006

validated in house method

Regulation (EC) No. 1907/2006-REACH-MCCP - Chlorierte Paraffine C14-C17

Test method: Europe Regulation (EC) No 1907/2006

validated in house method

Regulation (EC) No. 1907/2006-REACH-PFBS / Perfluorbutansulfonat (Perfluorobutanesulfonate) in %

Test method: Europe Regulation (EC) No 1907/2006

validated in house method

Regulation (EC) No. 1907/2006-REACH-Phthalate Content (SVHC)

Test method: Regulation (EC) No. 1907/2006

standardized method

With reference to ISO 14389 ,Analysis by GC/MS

Regulation (EC) No. 1907/2006-REACH-Substance of Very High Concern (SVHC) -Tris(2-chlorethyl)-phosphate

Test method: Europe Regulation (EC) No 1907/2006

validated in house method

Regulation (EC) No. 1907/2006-REACH-Substance of Very High Concern (SVHC) -Tris(4-nonylphenyl, verzweigt und linear) phosphit (TNPP) (Tris(4-nonylphenyl, branched and linear) phosphite (TNPP))

Test method: Europe Regulation (EC) No 1907/2006

validated in house method

Regulation (EC) No. 2019/1021-Persistent Organic Pollutants (POPs) Regulation-Short Chain Chlorinated Paraffins (SCCP) Content

Test method: DIN EN ISO 18219:2015

standardized method

With reference to DIN EN ISO 18219 -2015 ,Analysis by GC/MS