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中国认可
国际互认
检测
TESTING
CNAS L0616

检验检测报告

Test Report

YGJXS251612

Sample Name: Adult Toothbrush

Model/Type Reference: Adult

Client: Yangzhou Xinhua Brushes Co.,Ltd

Test Category: Entrustment

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扬州市检验检测中心
YANGZHOU INSPECTION AND TESTING CENTER
国家洗漱用品质量检验检测中心
National Quality Inspection and Testing Center for Toiletries

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Yangzhou Inspection and Testing Center
National Quality Inspection and Testing Center for Toiletries

Test Report

YGJXS251612

Sample Name	Adult Toothbrush		**Model/Type Reference**	Adult
Producing Date / Serial No.	01/05/2025/--		**Trade Mark**	--
Client	**Name**	Yangzhou Xinhua Brushes Co.,Ltd	**Post Code**	--
	Address	NO.2, Qionghua Road,Hangji Town,Yangzhou City,Jiangsu Province,China.	**Tel.**	15298461699
Manufacturer	Yangzhou Xinhua Brushes Co.,Ltd		**Sample Grade**	--
Quantity of Samples	23 pcs	**Date of Samples Received**	Aug. 22,2025	
Test Category	Entrustment	**Testing Location**	Longwang Road, Hangji Town	
Samples Status	Suitable for test	**Test Date(s)**	Aug. 28,2025 ～ Sep. 4,2025	
Test Requested	GB 19342—2013《Toothbrushes》 GB 39669-2020《General technical requirements for safety of toothbrushes and oral implements》			
Test Method	GB 19342—2013《Toothbrushes》 GB 39669-2020《General technical requirements for safety of toothbrushes and oral implements》 GB 22048-2015《Determination of certain phthalate estes in toys and children's products》			
Results	Please see the following pages			
Conclusion	After being tested, the samples meet the requirements of GB 19342—2013 and GB 39669—2020 on the inspection items.			
Date of Issue	Sep. 4,2025			
Remarks	Batch number:250501			

Approved by: **Reviewed by:** **Tested by:**

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Inspection and Testing Results

No	Inspection Items		Unit	Standard Requirements	Inspection and Testing Results		Individual Appraise
1	Phthalate plasticizer limit-A	Dibutyl phthalate (DBP)	--	The total content of DBP, BBP, DEHP ≤0.1	Not Detected	The total content of DBP, BBP, DEHP: Not Detected	Pass
		Butylbenzyl phthalate (BBP)			Not Detected		
		Di(2-ethyl)hexyl phthalate (DEHP)			Not Detected		
		Di-n-octyl phthalate (DNOP)		The total content of DNOP、DINP、DIDP ≤0.1	Not Detected	The total content of DNOP、DINP、DIDP:Not Detected	Pass
		Diisononyl phthalate (DINP)			Not Detected		
		Diisodecyl phthalate(DIDP)			Not Detected		

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Inspection and Testing Results

No	Inspection Items		Unit	Standard Requirements	Inspection and Testing Results		Individual Appraise
1	Phthalate plasticizer limit-B	Dibutyl phthalate (DBP)	--	The total content of DBP, BBP, DEHP ≤0.1	Not Detected	The total content of DBP, BBP, DEHP: Not Detected	Pass
		Butylbenzyl phthalate (BBP)			Not Detected		
		Di(2-ethyl)hexyl phthalate (DEHP)			Not Detected		
		Di-n-octyl phthalate (DNOP)		The total content of DNOP、DINP、DIDP ≤0.1	Not Detected	The total content of DNOP、DINP、DIDP:Not Detected	Pass
		Diisononyl phthalate (DINP)			Not Detected		
		Diisodecyl phthalate(DIDP)			Not Detected		

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Inspection and Testing Results

YGJXS251612

No	Inspection Items	Unit	Standard Requirements		Inspection and Testing Results		Individual Appraise
2	Harmful elements	mg/kg	Sb	≤60	Handle	Not Detected	Pass
					Filament	Not Detected	
			As	≤25	Handle	Not Detected	
					Filament	Not Detected	
			Ba	≤1000	Handle	Not Detected	
					Filament	Not Detected	
			Cd	≤75	Handle	Not Detected	
					Filament	Not Detected	
			Cr	≤60	Handle	Not Detected	
					Filament	Not Detected	
			Pb	≤90	Handle	Not Detected	
					Filament	Not Detected	
			Hg	≤60	Handle	Not Detected	
					Filament	Not Detected	
			Se	≤500	Handle	Not Detected	
					Filament	Not Detected	
3	Tuft removal force	N	≥15		38.9	37.4 / 29.5 / 32.3 / 34.6	Pass
4	Bending resistance of toothbrush neck	N	≥43 or do not be broken within deformation limit		No breake		Pass
5	Bristle end rounding	%	Qualified ratio of end rounding of toothbrush bristles: equal or greater than 60		76	78	Pass
6	edge, endtip	--	Products should not have defects such as sharp edges, burrs, etc., except for functional tips		No sharp edge, no burr		Pass

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Inspection and Testing Results

No.	Inspection Items	Unit	Standard Requirements	Samples Size and judgment array	Test Results	Unqualified Number	Individual Appraise
	Hygiene requirements	--	Fading of toothbrush bristle, handle and head	n=3 Ac=0 Re=1	Passed	0	Pass
		--	Clean, not any characteristic odor and free of visible contamination		Passed	0	Pass
		--	Toothbrush intended for sale should be packaged, there is clean, tidy and not present any rupture		--	--	--
	Temperature resistance	--	Handle and bristle shall not be abnormalafter submerging in water (50±2)℃ for 20 min.	n=5 Ac=1 Re=2	Passed	0	Pass
	Bending resistance of toothbrush handle	N	≥80 or do not be broken within deformation limit		No breake	0	Pass
	Recovery ratio of filament after bending	%	≥60	n=5 Ac=1 Re=2	64 64 64 64 64	0	Pass
	Specs	mm	a. Length of tufred bristles surface ≤42.0	n=3 Ac=1 Re=2	24.66 24.65 24.67	0	Pass
			b. Width of tufred bristles surface ≤14.0		8.90 8.91 8.91		
			c. Thickness of toothbrush head ≤7.0		4.73 4.73 4.72		
			d. Height of toothbrush bristles 8.0~13.0		10.37 10.38 10.38		
			e. Diameters of filament ≤0.35		0.22 0.21 0.21		
			f. Length of toothbrush handle ≥150.0		151.0 151.0 151.0		

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Inspection and Test Results

o	Inspection and Test Items	Unit	Standard Requirements	Samples Size and judgment array	Inspection and Test Results	Unqual-ified Number	Individual Appraise
		--	Tuft stiffness category and bristle diameter need to be shown on package	--	--	--	--
2	Tuft stiffness category	N	Soft F<6	--	-- -- -- -- --	--	--
			Medium 5<F<8		-- -- -- -- --		
			Hard F>7		-- -- -- -- --		
		mm	Soft $\phi \leqslant 0.18$		-- -- -- -- --	--	--
			Medium $0.18 \leqslant \phi \leqslant 0.22$		-- -- -- -- --		
			Hard $0.22 \leqslant \phi \leqslant 0.35$		-- -- -- -- --		
3	Toothbrush bristle	--	Clean and straight with appropriatedistribution of each tuft	n=3 Ac=1 Re=2	Meet the requirement	0	Pass
	Crack in head	--	There shall be free of crack which extend to edge or through the head		Meet the requirement	0	Pass
	Toothbrush handle	--	Clean and smooth without defects such as impurity, crack and bubble larger than 1mm²		Meet the requirement	0	Pass

The detection limit of harmful elements is 0.05mg/kg;
Test location for phthalate plasticizer limited items: A:White Bristles B: Green head;
The detection limit of phthalate plasticizer limit (DBP, BBP, DEHP, DNOP) is 0.001%;
The detection limit of phthalate plasticizer limit (DINP, DIDP) is 0.005%;
"——" in the test result column means "Not applicable" or "Not applied by Client".

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Points for Attention

1. The report is invalid without the signature of the main tester, inspector and approver, or it was altered, or without the original red stamp of testing body.
2. A copy of report is invalid.
3. The institute is just responsible for the test results of the sample sent by the client. Thus the test results is only meant to help the client know the quality of the sample.
4. The test report shall not be used for propagation and advertisement.

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