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CERTIFICATE

Certificate No. 2022-020

This is to certify that the products listed below produced by

Hocheng Corporation

are in compliance with the requirements of nanoMark Product Certification System

- I. Company Name : **Hocheng Corporation**
- II. Company Certificate : **No.019**
- III. Address : **No. 135, Houzhuang, Bade Dist.,
Taoyuan County 334, Taiwan (R.O.C)**
- IV. Representative : **Chiu, Li-Chien**
- V. Approved product : **Nano Antibacterial Product**
- VI. Product name, model/specification, approved item number and efficacy:
please refer to the Appendix
- VII. Date of Certificate Issuance : **Jan. 01, 2022**
Date of Certificate Expiration : **Dec. 31, 2022**

**Taiwan Nanotechnology
Industry Development Association**



Jan.01, 2022



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Appendix

Certificate No. 2022-020

- I. Company Name : **Hocheng Corporation**
 II. Approved product : **Nano Antibacterial Product**
 III. Product name, model/specification, approved item number and efficacy:

Product name	Model / Specification	Approved item number	Efficacy	Product name	Model / Specification	Approved item number	Efficacy
One piece toilet	C239AdbT	01559	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.	One piece toilet	C4511GMT	02738	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.
	C4283AdbT	01564			C4511GMUT	02739	
	C4283AdbUT	01565			C5519GMUT	02740	
	C4286AdbT	01566			C660GT	02741	
	C4286AdbUT	01567			C899GMUT	02742	
	C4289PAdbT	01568			AFC290	03012	
	C4513AdbMUT	01569			AFC168ADB	03013	
	C4514AdbMUT	01570			C4613AdbMT	03014	
	C4603AdbST	01572			C4034MUT	03015	
	C4606AdbST	01573			C4035MUT	03016	
	C5519NAdbMUT	01574			C800G	03017	
	C660AdbT	01576			C4518M	03018	
	C800AdbMUT	01577			C4053ADB	03019	
	C840AdbMUT	01578			C4813AdbMUT	03020	
	C899AdbMUT	01580			AFC167ADB	03059	
	AFC203G	02722			C167T	03061	
	AFC204G	02723			C2553AdbMT	03062	
	AFC208G	02724			C2563AdbMUT	03063	
	AFC209G	02725			C4035GMU	03064	
	AFC213G	02726			C4053GMU	03065	
	AFC214G	02727			AFC268	03171	
	AFC230G	02728			AFC6699	03172	
	AFC240G	02730			C3660	03173	
	AFC280G	02731			C8899	03174	
	AFC284G	02732			C4068	03254	
	C3032GT	02733			C4837	03255	
	C4293GT	02734			C8309	03256	
	C4293GUT	02735		Close-couple toilet	AFC133Adb	01581	
	C4296GT	02736			AFC134Adb	01582	
	C4296GUT	02737			C141NAdb	01583	

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- I. Company Name : **Hocheng Corporation**
 II. Approved product : **Nano Antibacterial Product**
 III. Product name, model/specification, approved item number and efficacy:

Product name	Model / Specification	Approved item number	Efficacy	Product name	Model / Specification	Approved item number	Efficacy
Close-couple toilet	C145NAdB	01585	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.	Close-couple toilet	CS140G	02749	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.
	C145NBAdB	01586			CS140GMU	02750	
	C148AdB	01587			CS218	02751	
	C41NAdB	01588			CS4394AdB MU	02752	
	C4288NBPAdb	01589			CS4396AdB MU	02753	
	C4388AdB	01590			CS4394G	02754	
	C5516PUAdB	01591			CS4396G	02755	
	C5517PUAdB	01592			CS4396GMU	02756	
	CS41NAdB	01599			CS4394AAdb	02757	
	CS4384AAdb	01601			CS4396AAdb	02758	
	CS4384AdB	01602			CS4522GMT	02759	
	CS4384AdBU	01603			CS4522GMUT	02760	
	CS4386AAdb	01604			CS5518EGMUT	02761	
	CS4386AdB	01605			CS4528M	03021	
	CS4386AdBU	01606			C4388G	03066	
	CS4389PAdb	01607			C5516GPU	03067	
	CS4394AdB	01608			C5517GPU	03068	
	CS4396AdB	01609			CS1303ADB	03069	
	CS4523AdBMUT	01610			CS1404ADB	03070	
	CS4524AdBMUT	01611			CS4393	03071	
	CS5518EAdBMUT	01612			CS4394GMU	03072	
	CS5518QAdBMUT	01613			CS4396GMU	03073	
	CS662AdBMU	01614			CS4522N	03100	
	CS802NAdBMU	01615			CS4522A	03101	
	CS130EJ	02743			C5516N	03102	
	CS130EJMU	02744			C5517N	03103	
	CS130G	02745			CS176	03104	
	CS130GMU	02746			C5516NP	03175	
	CS140EJ	02747			C5517NP	03176	
	CS140EJMU	02748			CS153NADB	03177	

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- I. Company Name : **Hocheng Corporation**
 II. Approved product : **Nano Antibacterial Product**
 III. Product name, model/specification, approved item number and efficacy :

Product name	Model / Specification	Approved item number	Efficacy	Product name	Model / Specification	Approved item number	Efficacy
Close-couple toilet	CS154NADB	03178	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.	Urinal	U8829	03183	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.
Squatting toilet	CS2600ADB	03179		Wash Basin	L101Adb	01647	
	CS4566	03180			L107SAdb	01650	
	CS4588	03181			L131SAdbR	01651	
	C106NAdb	01617			L161SAdb	01652	
	C108NAdb	01618			L161SAdbR	01653	
	C108NPAdb	01619			L186SAdb	01654	
	C108NPLAdb	01620			L252SAdb	01656	
	C109NAdb	01621			L333SAdbR	01658	
	C109NPAdb	01622			L337NAdb	01659	
	CS108NAdb	01624			L3406SAdb	01660	
Urinal	CS108NPAdb	01625			L3408SAdb	01661	
	CS108NPLAdb	01626			L3410SAdb	01662	
	CS109NAAdb	01627			L347Adb	01663	
	CS109NAdb	01628			L363NSAdb	01664	
	CS109NPAdb	01629			L4007SAdb	01667	
	U24Adb	01630			L400SAdb	01668	
	U24BAdb	01631			L4057Adb	01672	
	U289Adb	01632			L4090SAdb	01674	
	U28NAdb	01635			L4100NSAdb	01675	
	U29BAdb	01636			L4120SAdb	01676	
	U29NAdb	01637			L4176SAdb	01677	
	U667Adb	01642			L4177SAdb	01678	
	U8826Adb	01644			L4620SAdb	01679	
	U8826NBAdb	01645			L550SAdb	01680	
	U999Adb	01646			L5513NSAdb	01681	
	U28NUAdb	02762			L5513NSAdbR	01682	
	U29BUAdb	02763			L551SAdb	01683	
	U8826NAdb	02764			L552SAdb	01684	
	U11	03182			L55SAdb	01685	

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 III. Product name, model/specification, approved item number and efficacy:

Product name	Model / Specification	Approved item number	Efficacy	Product name	Model / Specification	Approved item number	Efficacy
Wash Basin	L575SAdb	01686	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.	Wash Basin	LF802SLQAdbR	01723	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.
	L590SAdb	01687			LF957SAdb	01724	
	L6633SAdb	01688			LF997SAdb	01726	
	L970Adb	01690			LF999SAdbR	01727	
	LF100Adb	01691			L252NSAdb	02765	
	LF107SAdb	01692			L4120SAdb	02766	
	LF131SAdbR	01693			L4175SAdb	02767	
	LF161SLAdbR	01694			L55SNAdb	02768	
	LF161SLQAdbR	01695			L618SAdb	02769	
	LF259SAdbR	01697			L688Adb	02770	
	LF2685SAdbR	01698			L970SAdb	02771	
	LF320Adb	01699			L6628	03022	
	LF320AdbR	01700			L6638	03023	
	LF320SLAdb	01701			L6680	03024	
	LF320SLAdbR	01702			L1050SAdb	03074	
	LF333SAdbR	01703			L1051SAdb	03075	
	LF351Adb	01704			L1052SAdb	03076	
	LF358SAdbR	01705			L1092SAdb	03077	
	LF367SAdbR	01706			L1185SAdb	03078	
	LF4174SAdbR	01712			L1626SAdb	03079	
	LF4174SLAdbR	01713			L2122SADB	03080	
	LF4182SAdbR	01714			L2523SADB	03081	
	LF4182SLAdbR	01715			L3060Adb	03082	
	LF4185SAdbR	01716			L320NSADB	03083	
	LF4185SLAdbR	01717			L320NSR	03084	
	LF5513NSAdbR	01718			L3484Adb	03085	
	LF800SAdbR	01719			L4551S	03086	
	LF800SLAdbR	01720			L4560S	03087	
	LF802SAdbR	01721			L4561S	03088	
	LF802SLAdbR	01722			L4562SAdb	03089	

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 II. Approved product : **Nano Antibacterial Product**
 III. Product name, model/specification, approved item number and efficacy:

Product name	Model / Specification	Approved item number	Efficacy	Product name	Model / Specification	Approved item number	Efficacy	
Wash Basin	L4580S	03093	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.	Mop Basin	S335	02774	In compliance with the requirements of 「TN-052 Verification and Validation Standard on Nano Antibacterial Products-Type II」 : the following specifications are satisfied, (1)The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 99% before scrub resistance test. (2)Durability (scrub resistance) test : The antibacterial rate against specific Staphylococcus aureus and Escherichia coli must be higher than 90% after scrubbing for 2000 cycles with 450g sponge. (3)The PH value of skin irritant is less than 2, and there is no abnormality in oral acute toxicity. (4)The result of silver-precipitation test should be less than 0.05 ppm.	
	L4756	03094		Laboratory sink	S306Adb	01732		
	L482	03095		Following blank				
	L55NSAdb	03096						
	L6637	03184						
	L6639Adb	03185						
	L6665SAdb	03186						
	L1616	03187						
	L1639	03188						
	L2262SADB	03189						
	L2281SADB	03190						
	L2401	03191						
	L3041S	03192						
	L4010	03193						
	L4506ADB	03194						
	L4581SADB	03195						
	L5206	03196						
	L5656	03197						
	L5775	03198						
	L5775N	03199						
	L6628SADB	03200						
	L6638SADB	03201						
L6886	01729							
L71N	01730							
L839	01731							
Mop Basin	S323Adb	02772						
	S324Adb	02773						
	S333Adb	02774						
	SF322N	01732						
	SF323							

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