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CERTIFICATE

Certificate No. 2021-020

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, 2021**
Date of Certificate Expiration : **Dec. 31, 2021**

**Taiwan Nanotechnology
Industry Development Association**



Jan.01, 2021



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Appendix

Certificate No. 2021-020

- 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			AFC168	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			AFC167	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			AFC133Adb	01581	
	C3032GT	02733			AFC134Adb	01582	
	C4293GT	02734		Close-couple toilet	C141NAdb	01583	
	C4293GUT	02735			C145NAdb	01585	
	C4296GT	02736			C145NBAdb	01586	
	C4296GUT	02737			C148Adb	01587	

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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	C41NAdb	01588	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.	CS4394AdbMU	02752	Close-couple toilet	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.
	C4288NBPAdb	01589		CS4396AdbMU	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		CS1303	03069		
	CS4523AdbMUT	01610		CS1404	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		
	CS140G	02749		CS154NADB	03178		
	CS140GMU	02750		CS2600ADB	03179		
	CS218	02751		CS4566	03180		

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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	CS4588	03181			L131SAdbR	01651	
Squatting toilet	C106NAdb	01617	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.		L161SAdb	01652	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.
	C108NAdb	01618			L161SAdbR	01653	
	C108NPAdb	01619			L186SAdb	01654	
	C108NPLAdb	01620			L252SAdb	01656	
	C109NAdb	01621			L333SAdbR	01658	
	C109NPAdb	01622			L337NAdb	01659	
	CS108NAdb	01624			L3406SAdb	01660	
	CS108NPAdb	01625			L3408SAdb	01661	
	CS108NPLAdb	01626			L3410SAdb	01662	
	CS109NAAdb	01627			L347Adb	01663	
Urinal	CS109NAdb	01628	(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	L363NSAdb	01664	(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.
	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	
Wash Basin	U8826NAdb	02764			L552SAdb	01684	
	U11	03182			L55SAdb	01685	
	U8829	03183			L575SAdb	01686	
	L101Adb	01647			L590SAdb	01687	
	L107SAdb	01650			L6633SAdb	01688	

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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	L970Adb	01690	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.	LF999SAdbR	01727	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.	
	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		
	LF802SLQAdbR	01723		L4580S	03090		
LF957SAdb	01724	L4756	03091				
LF997SAdb	01726	L482	03092				

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

Product name	Model / Specification	Approved item number	Efficacy
Wash Basin	L55NSAdb	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.
	L6637	03094	
	L6639Adb	03095	
	L6665SAdb	03096	
	L1616	03184	
	L1639	03185	
	L2262SADB	03186	
	L2281SADB	03187	
	L2401	03188	
	L3041S	03189	
	L4010	03190	
	L4506ADB	03191	
	L4581SADB	03192	
	L5206	03193	
	L5656	03194	
	L5775	03195	
	L5775N	03196	
	L6628SADB	03197	
	L6638SADB	03198	
	L6886	03199	
	L71N	03200	
	L839	03201	
Mop Basin	S323Adb	01729	(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.
	S324Adb	01730	
	S333Adb	01731	
	SF322N	02772	
	SF323	02773	
Laboratory sink	S335	02774	(4)The result of silver-precipitation test should be less than 0.05 ppm.
	S306Adb	01732	
Following blank			

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