

SAFETY AND COMPLIANCE TESTING FOR SURESTOP

Tested Sample(s)	: Bicycle Brake Pads
Brand	: SureStop
Model	: SureStop Brakes
Color	: Not Specified
Size	: Not Specified
Vendor P/N	: Not Specified
Country of Origin	: Not Specified
Age Grading	: Not Specified
Children's Product	: Not Specified

Prepared For:

SureStop
8F-2, No. 77 Shizeng N. 1st Road
Taichung, Taiwan



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Final Report: 659.0001 R2

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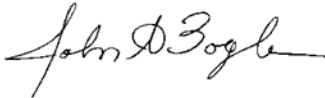


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CONCLUSION

(659.0001) – SureStop, SureStop Brakes		
Purpose of Test – Each test performed is intended to check compliance with the following:	Result	Comment
ISO 4210-14: Cycles – Safety Requirements for Bicycles	C	

President,



John A. Bogler

SAMPLE IDENTIFICATION

Brand:	SureStop	Job No.:	659.0001
Model Name:	SureStop Brakes	Sample ID No.:	659.0001.001
Vendor Name:	SureStop	Type:	Bicycle Brake Pads
Vendor P/N:	Not Specified	Size (c):	Not Specified
Manufacturer:	Not Specified	Color(s):	Not Specified
Manufacturer P/N:	Not Specified	Weight (g):	Not Specified
Serial No.:	Not Specified	Country of Origin:	Not Specified





DATE AND PLACE OF TEST

Sample(s) received on : 28 January 2014
Testing was initiated on : 31 January 2014
Testing was completed on : 31 January 2014
Testing was performed at : Taicang ACT Sporting Goods Testing Co., Ltd.
Taicang City, Suzhou, Jiangsu Province, China

TEST METHODS

Method for each test conducted is as follows:

- ISO 4210-14 test was performed according to the ISO Cycles-Safety Requirements for Bicycles (2014E) Requirements for Bicycles standard:
 - Section 4.6 Brakes.

TEST RESULTS

C: Compliant; Product meets specified standard NC: Non-Compliant; Product does not meet specified standard NA: Not Applicable to this design NR: Not Requested by the Applicant NP: Not Present	ND: None Detected IC: Inconclusive NT: Not Tested FTR: Further Testing Recommended PPM: Parts Per Million *: See Comments
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ISO 4210-14: BICYCLE TEST

ISO 4210-2014			
Ref. #	Test Description	Result	Observations and Notes
4.6	Brakes	C	
4.6.1	Braking systems	C	
4.6.2	Hand-operated brakes	C	
4.6.2.1	Brake lever position	NA	
4.6.2.2	Brake lever grip dimension	NA	
4.6.3	Attachment of brake assembly and cable requirements	NA	
4.6.4	Brake-block and brake-pad assemblies - Security test	C	
4.6.5	Brake adjustment	C	
4.6.6	Hand-operated braking system - Strength test	C	
4.6.7	Back-pedal braking system - Strength test	C	
4.6.7.1	General	C	
4.6.7.2	Requirement	C	
4.6.8	Braking performance	C	
4.6.8.1	General - Track or Machine	C	
4.6.8.1.1	Track test	C	
4.6.8.1.2	Machine test	C	
4.6.8.2	Smooth, safe-stop characteristics	C	
4.6.8.3	Ratio between wet and dry braking performance - Track	C	
	Ratio between wet and dry braking performance - Machine	C	
4.6.9	Brakes - Heat-resistance test	C	
4.6.9.1	General - Disc, Hub and Thermoplastic rims	NA	
4.6.9.2	Requirement	C	

ISO 4210 Safety Requirements & Test Methods: Brakes						
Sample	Conditions	Run	Speed (RPM)	Speed (Km/hr)	Stopping Distance (m)	Corrected Distance (m)
AA10165	Dry Front & Rear Brakes	1	121.0	15.0	1.98	2.08
		2	134.0	16.6	2.26	1.92
		3	131.0	16.2	2.21	1.97
		4	131.0	16.2	2.46	2.21
		5	130.0	16.1	2.24	2.03
		AVERAGE	129.4	16.0	2.23	2.04



AA10166	Dry Front & Rear Brakes	1	124.0	15.3	1.93	1.91
		2	130.0	16.1	1.93	1.72
		3	132.0	16.3	2.26	1.98
		4	131.0	16.2	2.01	1.77
		5	132.0	16.3	2.16	1.88
		AVERAGE	129.8	16.0	2.06	1.85
AA10166	Dry Rear Brakes	1*	132.0	16.3	3.43	3.12
		2	127.0	15.7	2.79	2.71
		3	129.0	15.9	2.79	2.62
		4	129.0	15.9	3.25	3.09
		5	128.0	15.8	3.20	3.09
		AVERAGE	129.0	15.9	3.09	2.93

ISO 4210 Safety Requirements & Test Methods: Brakes						
<u>Sample</u>	<u>Conditions</u>	<u>Run</u>	<u>Speed (RPM)</u>	<u>Speed (Km/hr)</u>	<u>Stopping Distance (m)</u>	<u>Corrected Distance (m)</u>
AA10165	Wet Front & Rear Brakes	1	130.0	16.1	2.08	1.87
		2	132.0	16.3	2.21	1.93
		3	135.0	16.7	2.18	1.81
		4	130.0	16.1	2.39	2.18
		5	131.0	16.2	2.31	2.07
		AVERAGE	131.6	16.2	2.23	1.97
AA10166	Wet Front & Rear Brakes	1	134.0	16.6	1.85	1.53
		2	129.0	15.9	1.60	1.41
		3	131.0	16.2	1.70	1.46
		4	132.0	16.3	1.73	1.47
		5	133.0	16.4	1.32	1.05
		AVERAGE	131.8	16.3	1.64	1.38
AA10166	Wet Rear Brakes	1	129.0	15.9	3.38	3.22
		2	132.0	16.3	3.35	3.04
		3	130.0	16.1	3.48	3.27
		4	126.0	15.6	2.80	2.77
		5	133.0	16.4	3.25	2.90
		AVERAGE	130.0	16.1	3.25	3.04

END OF REPORT