

**Test Report**

No.: SDHL1707015823FT

Date: Aug.16, 2017

Page 1 of 47

EUREKA LLC  
4901 MOREAU CT, EL DORADO HILLS, CA 95762

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : EUREKA HEIGHT-ADJUSTABLE STANDING DESK  
 Buyer Item No. : ERK-CV-PRO36B, ERK-CV-PRO36W  
 Sample Receiving Date : Jul.31, 2017  
 Test Performing Date : Jul.31, 2017 to Aug.16, 2017

**Test Result Summary**

Test(s) Requested	Result(s)
TP-Ergonomic Height Adjustable Standing Desk-V1.0, excluding One Time Use Products - Fair Packaging and Labeling Act - or all other products - Uniform Packaging and Labeling Regulations and Consumer Packaging & Labeling	PASS (For sample A)
HFU042150_PPM_FFU_V1_ Standing Desk	See test results.

**Summary:**

1. For further details, please refer to the following page(s).

Signed for and on behalf of  
Shunde Branch  
SGS-CSTC Co., Ltd.



Caming Fan  
Approved signatory



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TESTS AND RESULTS

**Part I. Test Conducted:**

TP-Ergonomic Height Adjustable Standing Desk-V0, excluding One Time Use Products - Fair Packaging and Labeling Act - or all other products - Uniform Packaging and Labeling Regulations and Consumer Packaging & Labeling

No. of Sample:

1 piece (Sample A). For more sample information and pictures, please refer to the following page.

Test Property	Test Method	Test Principle / Requirements	Test Results
<b>MANDATORY REQUIREMENT</b>			
<b>US</b>			
* CA Prop 65	Applicable Section from SGS California Proposition 65 Master File	All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required. Note: The document review which report is within validity of 1 year is acceptable.	PASS See test result 1
* Total lead content in surface coatings	CPSIA & 16 CFR 1303 CPSC-CH-E1003-09.1	CPSIA & 16 CFR 1303: Lead content: ≤90ppm Note: The document review which report is within validity of 1 year is acceptable.	PASS See test result 1
*Toxics in Packaging Clearing House Legislation (TPCH, former CONEG) (for Packaging Material Only)	Acid digestion, analyzed by AAS or ICP-AES	The total content of Pb+Hg+Cd+Cr(VI) in packaging and packaging components shall comply with TPCH legislation and not exceed 100mg/kg. Note: The document review which report is within validity of 1 year is acceptable.	PASS See test result 1



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Test Property	Test Method	Test Principle / Requirements	Test Results
*CARB formaldehyde documentation and label review	Title 17, CA Code of Regulations, Section 93120.7(d) Fabricator Label Requirements	CARB certificate & from the approved third party lab & the Confirmation Letter must be provided. The thickness of the wooden board stated on the CARB certificate shall cover the wooden board thickness on the actual sample. An acceptable label must be present on the product and/or the outer packaging. If a label is present, it shall consist of a stamp, tag, or sticker and be in English. A bar code cannot replace the label information. The label shall include: <ul style="list-style-type: none"> <li>Name of fabricator or responsible party,</li> <li>Date of production for the finished good (not required in PPT test as the date was not available, must be provided in PSI)</li> <li>A statement of compliance which includes identification of the state ("California", "CA", "Calif.", "CARB", or equivalent) section code 93120 for Formaldehyde</li> <li>(If Applicable) Has No Added Formaldehyde based resins (NAF) or Ultra Low Emitting Formaldehyde based resins (ULEF)</li> </ul>	PASS
One Time Use Products - Fair Packaging and Labeling Act - or all other products - Uniform Packaging and Labeling Regulations	F.P. & L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	The retail packaging/labeling shall include the following information at least and meet the related requirements. <ul style="list-style-type: none"> <li>Manufacturer, Packer, or Distributor's Name &amp; Address (City, State &amp; ZIP Code)</li> <li>Product Identification</li> <li>Net quantity of contents</li> </ul>	N/R
Country Of Origin	19 CFR 134.11	Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.	PASS
<b>CANADA</b>			
*Lead and Mercury Content in Surface Coating Materials	CCPSA Acid digestion/ICP or AAS	Surface Coating Materials Regulations (SOR/2005-109) and amendments: Lead content: ≤90mg/kg Mercury content: ≤10mg/kg Note: The document review which report is within validity of 1 year is acceptable.	PASS See test result 1



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Test Property	Test Method	Test Principle / Requirements	Test Results
*Mercury in consumer product other than battery	IEC 62321-4:2013	Canadian Environmental Protection Act, 1999, Products Containing Mercury Regulations (SOR/2014-254)  ≤ 0.1%  Note: Products under the schedule of SOR/2014-254 shall comply with labeling information if containing mercury.  (Effective date: 7 November, 2015) Note: The document review which report is within validity of 1 year is acceptable.	PASS  See test result 1
Consumer Packaging & Labeling	Consumer Pkg. & Labeling Act & Regulations	The retail packaging/labeling shall include the following information at least and meet the related requirements. - Manufacturer, Packer, or Distributor's Name & Address (City, State & ZIP Code) - Product Identification - Net quantity of contents	N/R
<b>PHYSICAL CHARACTERISTICS REQUIREMENTS</b>			
Overall Dimensions	Standard measure	Report overall dimensions; shall meet label claims (if applicable) (+/- 0.50 inches). Report in primary units as claimed.	No claim R: 902 mm L x 820~980 mm W x 140~510 mm H
Weight	Standard measure	Report overall weight; shall meet label claims (if applicable). Report in primary units as claimed. (-10 / +10%)	No claim R: 27.85 kg
<b>SAFETY REQUIREMENTS</b>			
Edges and corners	EN 527-2:2016 Clause 4.1	- all accessible edges and corners are free from burrs and rounded or chamfered; - the edges and corners of the top surfaces are chamfered not less than 1 mm by 1 mm or rounded with a radius of not less than 2 mm; - the ends of feet and tubular components are closed or capped.	PASS



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Test Property	Test Method	Test Principle / Requirements	Test Results
Movable and adjustable parts	EN 527-2:2016 Clause 4.1	<ul style="list-style-type: none"> <li>Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.</li> <li>It shall not be possible for any load bearing part of the table to come loose unintentionally.</li> <li>All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.</li> </ul>	PASS
Shear and squeeze points  (Note: The shear and squeeze points that are created only during setting up and folding are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain.)	EN 527-2:2016 Clause 4.2	<b>Shear and squeeze points under influence of powered mechanisms.</b> There shall be no shear and squeeze points which close to less than 25 mm unless they are always less than 7 mm created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorized systems.	PASS
		<b>Shear and squeeze points during use</b> There shall be no shear and squeeze points which close to less than 25 mm unless they are always less than 7 mm created by forces applied during normal use or created by the user during normal movements and actions, e.g. attempting to move the table.	PASS
Stability under vertical load	ANSI-SOHO S6.5-2008(R2013) Clause 4.2 (Mod.)	The desk shall not tip over when a 40 lbs static load shall be placed at the edge of a 305 mm (12 in.) diameter disk 25 mm (1 in.) from the edge on the disk at the least stable location.	PASS
Stability on inclined surface	SGS In-house method	The desk shall not tip over or slide when it is placed on a 10° inclined platform at the least stable direction.	PASS
<b>STRUCTURAL STRENGTH AND DURABILITY</b>			
Distributed Functional Load Test for Equipment Surface	ANSI-SOHO S6.5-2008(R2013) Clause 5.2 (Mod.)	There shall be no loss of serviceability when applied the distributed functional loads of 40 lbs on the equipment surface for 60 minutes.	PASS
Distributed Functional Load Test for Keyboard Surface	ANSI-SOHO S6.5-2008(R2013) Clause 5.2 (Mod.)	There shall be no loss of serviceability when applied the distributed functional loads of 30 lbs on the keyboard surface for 60 minutes	PASS
Concentrated Load Tests for Equipment Surface	ANSI-SOHO S6.5-2008(R2013) Clause 5.3 (Mod.)	There shall be no loss of serviceability when applied the concentrated functional loads of 40 lbs at its apparent weakest point on the equipment surface for 60 minutes.	PASS



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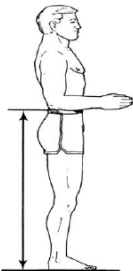
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Test Property	Test Method	Test Principle / Requirements	Test Results
Durability of height adjustment mechanisms	EN 527-2:2016 Clause 5.1-1 (Mod.)	There shall be no loss of serviceability when cycle the table with the nominal load according to the manufacturer's instruction for 5000 cycles.	PASS
Horizontal durability and the stiffness of the structure test for adjustable tables	EN 527-2:2016 Clause 5.1-4 (Mod.)	There shall be no loss of serviceability when place a nominal load on the tabletop according to the manufacturer's instruction and apply two alternating horizontal forces of 285 Nm at the table top level, one at one end of the table 50 mm from one corner/edge, for 10000 cycles. After 10000 cycles durability test, carry out the stiffness of the structure test with 200 N horizontal force, the stiffness of the structure, both D1 and D2 divided by the height to the top of the table top shall be ≤ 17 mm/m.	PASS
<p><b>ERGONOMICS</b></p> <p>The ergonomics dimensions and adjustment ranges are recommended with reference to BIFMA G1-2013 (Ergonomics Guideline for Furniture used in Office Work Spaces Designed for Computer Use), which guidance is based on the anthropometric data provided in CAESAR (June 2002), weighted to the United States population demographics from the National Health and Nutrition Examination Survey (NHANES) 2007-2008 and 2009-2010 datasets.</p>			
Support Surface Height for Input Device - Sitting	BIFMA G1-2013 Clasue 8.3.1	Height adjustable input device support surfaces that are horizontal should include an adjustment range from 575 mm (22.6 in.) to 747 mm (29.4 in.) as measured to the top of the surface.	N/A  This product is used on the another product

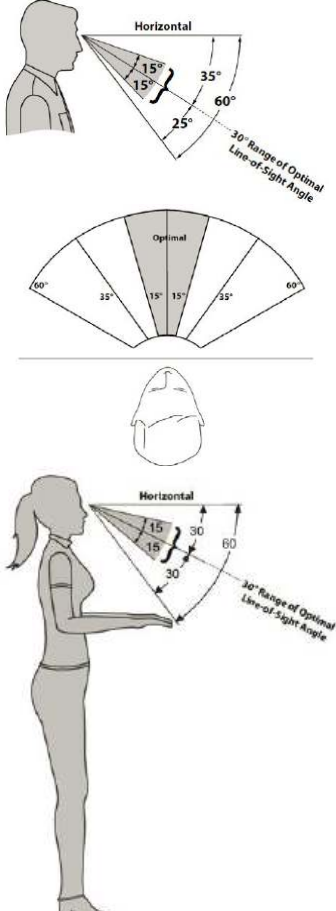


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Test Property	Test Method	Test Principle / Requirements	Test Results
Support Surface Height for Input Devices - Standing	BIFMA G1-2013 Clasue 8.3.2	Height adjustable input device support surfaces that are horizontal should include an adjustment range from 973 mm (38.3 in.) to 1237 mm (48.7 in.) as measured to the top of the surface. 	N/A  This product is used on the another product
Distance to Monitor - Sitting or Standing	BIFMA G1-2013 Clasue 8.4.1	The distance to the monitor should be a minimum of 400 mm (15.7 in.). For monitors supported by a surface, the surface depth should be at a minimum 400 mm (15.7 in.) plus the depth of the monitor (including base, if applicable). For monitors supported by monitor arms, the arm should allow the monitor to be positioned to achieve a minimum 400 mm (15.7 in.) viewing distance.	N/A  No monitor





Test Property	Test Method	Test Principle / Requirements	Test Results
Monitor Height Range – Sitting and Standing	BIFMA G1-2013 Clasue 8.4.2	<p>For upright-seated postures, the top line of the screen should be adjustable by a minimum of 280 mm (11.0 in.) from 1091 mm (43.0 in.) to 1371 mm (54.0 in.) above floor level.</p> <p>For upright standing postures, the top line of the screen should be adjustable by a minimum of 371 mm (14.6 in.) from 1442 mm (56.8 in.) to 1813 mm (71.4 in.) above floor level.</p> 	<p>N/A</p> <p>No monitor</p>



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Test Property	Test Method	Test Principle / Requirements	Test Results
Laptops	BIFMA G1-2013 Clasue 9.1	<p>For the surface intended to support a laptops, Its angle should be adjustable and ensure the laptop screen should be positioned at a height that permits the user, when seated or standing in an upright posture with the head erect, to comfortably view the entire monitor display. The top of the screen should not be closer to the eyes than the bottom of the screen.</p> <p><b>Non-recommended Laptop Positioning</b></p>  <p><b>Recommended Laptop Positioning</b></p> 	No adjustable angle

### Additional notes

**Yellow highlighted tests are Canadian mandatory requirements to be conducted when distributing in Canada**

**Blue highlighted tests are US mandatory requirements to be conducted when distributing in the US**

### Remark:

1. C – Claim; R – Record; N/A – Not Applicable; N/R – Not Requested; N/P – Not Provided; N/T – Not Tested.
2. For the sample information and pictures, please refer to the following page.



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**Part II. Test Conducted:**

HFU042150\_PPM\_FFU\_V1\_Standing Desk.

No. of Sample:

4 piece (Sample A, B, C and D). For more sample information and pictures, please refer to the following page.

**Sample A**

Requirement(s)	Overall rating
Fit for Use test program for Height Adjustable Standing Desk.	Good (1.75)
The product complies with the specified requirement(s).	

Valuation code for the Fit-For-Use testing		
Criteria	Grading points	Comment(s)
Very good	1	Requirements and expectations of the function and handling are exceeded. No deviations of the function and handling. (Score 0.5 - 1.5)
Good	2	Requirements and expectations are completely fulfilled. Minor deviations have no influence on the function and handling, and are not visible by the customer or rather barely visible. (Score 1.6 - 2.5)
Satisfactory	3	Requirements and expectations are as far as possible fulfilled. Deviations are recognized by the customer, but have only a minor effect on the function and handling. (Score 2.6 - 3.5)
Acceptable	4	Requirements partly fulfilled, deviations are recognized with high probability by the customer and have an influence on the function and handling. Customer expectations are only partially or not fulfilled. (Score 3.6 - 4.5)
Poor / Failure	5	Essential requirements are not fulfilled. Deviation(s), safety relevant function or the loss of function or the misdirection of the user. Function does not exist or no operability of the function possible. (Score 4.6 - 5.5)

Summary for the full test and weighting			
Clause	Test clause heading	Weight (Total 100%)	Grading / Rating
1	Technical Characteristics	-	-
2	Product Quality	5	0.10
3	Handling Tests	25	0.45
4	Functional and Durability Tests	65	1.10
5	Instruction	5	0.10

**Devaluation:**

If the Functional and Durability Tests are poor, the final overall rating shall be poor.



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**1. Technical Characteristics**

Requirements	Test Methods/Standards	Comment	Result
1.1. Weight	Standard measurement.	27.85 kg	/
1.2. Material	Information offered by client.	Metal + MDF + Plastic	/
1.3. Setup Size	Standard measurement.	902 mm L x 820~980 mm W x 140~510 mm H	/
1.4. Adjustable Height Range	Standard measurement.	370 mm	/

**2. Product Quality**

Requirements	Test Methods/Standards	Comment	Result
2.1. Workmanship (5 %)	Evaluate the product and its components connection on design, quality, material, odor and appearance, as well as to check for sharp edges, mechanical squeezing and shearing points that the item shall be free from.	/	2.0

**3. Handling Tests**

Requirements	Test Methods/Standards	Comment	Result
3.1. Unpacking / Installation (5 %)	Take the product out of the package and assemble / install the product according to the instruction manual or common sense. Evaluate the easiness, the effort and time consuming.	/	2.0



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3. Handling Tests

Requirements	Test Methods/Standards	Comment	Result
3.2. Easy to Adjust (10 %)	Adjust (move upwards / downwards, change angles) all the movable parts of the product (i.e. the main platform, keyboard compartment, etc.) and fix the heights according to the instruction manual. Evaluate if all the desired positions can be achieved and the easiness in the whole adjustable range. Test shall be performed: 1. without load, 2. with a notebook and a monitor as in actual use, 3. with max load according to the instruction manual (if not claimed, use the total weight of 2 common notebooks and 2 monitors).	/	2.0
3.3. Adjustment Smoothness and Noise (5 %)	After Clause 3.2, evaluate also the smoothness and noise during height adjusting.	/	2.0
3.4. Ease of Cleaning (5 %)	Actual use to evaluate the easiness to clean the product surface according to the care instruction if any or common sense. Precondition: simulate the typical dust and dirt from the normal using environment (e.g. pencil marks, fritter of the rubbers) on the item (everywhere). product Clean the area with a damp cloth and not aggressive detergent if necessary, according to the care instruction.	Very easy to clean, with all stains being easily removed by pure water.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.1. Actual Use Test (20 %)	Actual use of the product for 4 hours office works (sitting and standing). At least 3 tester shall be used, which contains: - 1 female with body height around 170 cm, - 2 males, at least one of them with body height ≥ 185 cm. Evaluate the desk working space, mouse / keyboard compartment, if the cables (for notebook, monitor, mouse and keyboard) are able to be well arranged / hidden, etc.	/	2.0
4.2. Minimal and Maximal Height (5 %)	Measure the min adjustable height and the max adjustable height. Calculate the adjustable height range and evaluate. Bigger the adjustable range is, then more users with different body heights are fit to the product.	/	2.0
4.3. Occupied Table Surface (5 %)	Measure and evaluate the occupied table surface when the product is at the min height and the max height.	/	2.0
4.4. Stability Test (5 %)	Adjust the product to the max height and to the max extended position for the keyboard compartment. Put the product onto a tilted surface starting from 5° at the most unfavorable stable position, until it tips over.	No tip over at 30°, also no slips.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.5. Static Over Loading Test (15 %)	Adjust the product to a pre-defined height, secure the lock mechanism and record the current height. Apply 1.5 times of the claimed max load on the product for 30 minutes and record the height where the max deformation occurs. Remove the load and record the height. Evaluate the deformation and the height change if happens. Test shall be carried out at 5 different positions. 1. Min height, 2. Around 1/3 of the max height, 3. Around 1/2 of the max height, 4. Around 2/3 of the max height, 5. Max height.	/	2.0
4.6. Durability Test (10 %)	Apply the claimed max load on the product and adjust the height for 200 cycles. Then test according to Clause 4.5 again. 1 cycle = unlock and lift the product with load from the min height, to around 1/2 of the max height, lock/unlock, until the max height, lock/unlock; then lower it to 1/2 of the max height, lock/unlock, until the min height, lock.	At the highest position: H1: initial height, before testing H2: height with load, after testing H3: height after removing the load H1 = H3, and H1 - H2 ≤ 0.5 mm	1.0
4.7. Corrosion Resistance (5 %)	Metal parts shall withstand a 5 % salt spray test for 24 hours with reference to EN ISO 9227-NSS. Evaluate the results according to corrosion rating standard ISO 10289.	Metal part: Grade 10 according to ISO 10289.	1.0

5. Instruction



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Requirements	Test Methods/Standards	Comment	Result
5.1. Instructions for Use / Care Instructions (5 %)	Verify the user instructions. The contents shall be clear, easy to understand and sufficient, regarding the intended usage, assembly, safe operation, maintenance, necessary warnings and other useful instructions.	Lack the maintenance information.	2.0



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Sample B

Requirement(s)	Overall rating
Fit for Use test program for Height Adjustable Standing Desk.	Satisfactory (2.6)
The product complies with the specified requirement(s).	

Valuation code for the Fit-For-Use testing		
Criteria	Grading points	Comment(s)
Very good	1	Requirements and expectations of the function and handling are exceeded. No deviations of the function and handling. (Score 0.5 - 1.5)
Good	2	Requirements and expectations are completely fulfilled. Minor deviations have no influence on the function and handling, and are not visible by the customer or rather barely visible. (Score 1.6 - 2.5)
Satisfactory	3	Requirements and expectations are as far as possible fulfilled. Deviations are recognized by the customer, but have only a minor effect on the function and handling. (Score 2.6 - 3.5)
Acceptable	4	Requirements partly fulfilled, deviations are recognized with high probability by the customer and have an influence on the function and handling. Customer expectations are only partially or not fulfilled. (Score 3.6 - 4.5)
Poor / Failure	5	Essential requirements are not fulfilled. Deviation(s), safety relevant function or the loss of function or the misdirection of the user. Function does not exist or no operability of the function possible. (Score 4.6 - 5.5)

Summary for the full test and weighting			
Clause	Test clause heading	Weight (Total 100%)	Grading / Rating
1	Technical Characteristics	-	-
2	Product Quality	5	0.20
3	Handling Tests	25	0.38
4	Functional and Durability Tests	65	1.90
5	Instruction	5	0.10

**Devaluation:**  
If the Functional and Durability Tests are poor, the final overall rating shall be poor.



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**1. Technical Characteristics**

Requirements	Test Methods/Standards	Comment	Result
1.1. Weight	Standard measurement.	22.75 kg	/
1.2. Material	Information offered by client.	Metal + MDF + Plastic	/
1.3. Setup Size	Standard measurement.	880 mm L x 790 mm W x 156~512 mm H	/
1.4. Adjustable Height Range	Standard measurement.	356 mm	/

**2. Product Quality**

Requirements	Test Methods/Standards	Comment	Result
2.1. Workmanship (5 %)	Evaluate the product and its components connection on design, quality, material, odor and appearance, as well as to check for sharp edges, mechanical squeezing and shearing points that the item shall be free from.	The keyboard tray and side cover is easy to fall down.	4.0

**3. Handling Tests**

Requirements	Test Methods/Standards	Comment	Result
3.1. Unpacking / Installation (5 %)	Take the product out of the package and assemble / install the product according to the instruction manual or common sense. Evaluate the easiness, the effort and time consuming.	Need some time to assemble according to the instructions. Multiple steps have to be carried out but still able to finish the assembly within 30 minutes.	3.0



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3. Handling Tests

Requirements	Test Methods/Standards	Comment	Result
3.2. Easy to Adjust (10 %)	Adjust (move upwards / downwards, change angles) all the movable parts of the product (i.e. the main platform, keyboard compartment, etc.) and fix the heights according to the instruction manual. Evaluate if all the desired positions can be achieved and the easiness in the whole adjustable range. Test shall be performed: 1. without load, 2. with a notebook and a monitor as in actual use, 3. with max load according to the instruction manual (if not claimed, use the total weight of 2 common notebooks and 2 monitors).	Not comfortable to handle the operating elements, and the upwards movement is very slow.	3.0
3.3. Adjustment Smoothness and Noise (5 %)	After Clause 3.2, evaluate also the smoothness and noise during height adjusting.	Slight "jump start" when the bottom is released, or some noise.	3.0
3.4. Ease of Cleaning (5 %)	Actual use to evaluate the easiness to clean the product surface according to the care instruction if any or common sense. Precondition: simulate the typical dust and dirt from the normal using environment (e.g. pencil marks, fritter of the rubbers) on the item (everywhere). product Clean the area with a damp cloth and not aggressive detergent if necessary, according to the care instruction.	Very easy to clean, with all stains being easily removed by pure water.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.1. Actual Use Test (20 %)	Actual use of the product for 4 hours office works (sitting and standing). At least 3 tester shall be used, which contains: - 1 female with body height around 170 cm, - 2 males, at least one of them with body height ≥ 185 cm. Evaluate the desk working space, mouse / keyboard compartment, if the cables (for notebook, monitor, mouse and keyboard) are able to be well arranged / hidden, etc.	Not very comfortable, needs more forces to adjust.	3.0
4.2. Minimal and Maximal Height (5 %)	Measure the min adjustable height and the max adjustable height. Calculate the adjustable height range and evaluate. Bigger the adjustable range is, then more users with different body heights are fit to the product.	/	2.0
4.3. Occupied Table Surface (5 %)	Measure and evaluate the occupied table surface when the product is at the min height and the max height.	No change at the min and at the max heights.	1.0
4.4. Stability Test (5 %)	Adjust the product to the max height and to the max extended position for the keyboard compartment. Put the product onto a tilted surface starting from 5° at the most unfavorable stable position, until it tips over.	No tip over at 30°, also no slips.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.5. Static Over Loading Test (15 %)	Adjust the product to a pre-defined height, secure the lock mechanism and record the current height. Apply 1.5 times of the claimed max load on the product for 30 minutes and record the height where the max deformation occurs. Remove the load and record the height. Evaluate the deformation and the height change if happens. Test shall be carried out at 5 different positions. 1. Min height, 2. Around 1/3 of the max height, 3. Around 1/2 of the max height, 4. Around 2/3 of the max height, 5. Max height.	H1: initial height, before testing H2: height with load H3: height after removing the load H1 - H3 > 2 mm (Actual: 6 mm)	5.0
4.6. Durability Test (10 %)	Apply the claimed max load on the product and adjust the height for 200 cycles. Then test according to Clause 4.5 again. 1 cycle = unlock and lift the product with load from the min height, to around 1/2 of the max height, lock/unlock, until the max height, lock/unlock; then lower it to 1/2 of the max height, lock/unlock, until the min height, lock.	At the highest position: H1: initial height, before testing H2: height with load, after testing H3: height after removing the load 0.5 mm < H1 - H2 ≤ 1 mm	2.0
4.7. Corrosion Resistance (5 %)	Metal parts shall withstand a 5 % salt spray test for 24 hours with reference to EN ISO 9227-NSS. Evaluate the results according to corrosion rating standard ISO 10289.	Metal part: Grade 8 according to ISO 10289.	3.0

5. Instruction



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Requirements	Test Methods/Standards	Comment	Result
5.1. Instructions for Use / Care Instructions (5 %)	Verify the user instructions. The contents shall be clear, easy to understand and sufficient, regarding the intended usage, assembly, safe operation, maintenance, necessary warnings and other useful instructions.	Lack the maintenance information.	2.0



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Sample C

Requirement(s)	Overall rating
Fit for Use test program for Height Adjustable Standing Desk.	Satisfactory (2.9)
The product complies with the specified requirement(s).	

Valuation code for the Fit-For-Use testing		
Criteria	Grading points	Comment(s)
Very good	1	Requirements and expectations of the function and handling are exceeded. No deviations of the function and handling. (Score 0.5 - 1.5)
Good	2	Requirements and expectations are completely fulfilled. Minor deviations have no influence on the function and handling, and are not visible by the customer or rather barely visible. (Score 1.6 - 2.5)
Satisfactory	3	Requirements and expectations are as far as possible fulfilled. Deviations are recognized by the customer, but have only a minor effect on the function and handling. (Score 2.6 - 3.5)
Acceptable	4	Requirements partly fulfilled, deviations are recognized with high probability by the customer and have an influence on the function and handling. Customer expectations are only partially or not fulfilled. (Score 3.6 - 4.5)
Poor / Failure	5	Essential requirements are not fulfilled. Deviation(s), safety relevant function or the loss of function or the misdirection of the user. Function does not exist or no operability of the function possible. (Score 4.6 - 5.5)

Summary for the full test and weighting			
Clause	Test clause heading	Weight (Total 100%)	Grading / Rating
1	Technical Characteristics	-	-
2	Product Quality	5	0.25
3	Handling Tests	25	0.80
4	Functional and Durability Tests	65	1.65
5	Instruction	5	0.20

**Devaluation:**  
If the Functional and Durability Tests are poor, the final overall rating shall be poor.



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**1. Technical Characteristics**

Requirements	Test Methods/Standards	Comment	Result
1.1. Weight	Standard measurement.	25.20 kg	/
1.2. Material	Information offered by client.	Metal + MDF + Plastic	/
1.3. Setup Size	Standard measurement.	955 mm L x 690 mm W x 125~500 mm H	/
1.4. Adjustable Height Range	Standard measurement.	375 mm	/

**2. Product Quality**

Requirements	Test Methods/Standards	Comment	Result
2.1. Workmanship (5 %)	Evaluate the product and its components connection on design, quality, material, odor and appearance, as well as to check for sharp edges, mechanical squeezing and shearing points that the item shall be free from.	The adjustable handle is easy to injury finger.	5.0

**3. Handling Tests**

Requirements	Test Methods/Standards	Comment	Result
3.1. Unpacking / Installation (5 %)	Take the product out of the package and assemble / install the product according to the instruction manual or common sense. Evaluate the easiness, the effort and time consuming.	/	2.0



SGS-CSTC Guangzhou Technical Services Co., Ltd.  
Shunde Branch Harbin

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中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

3. Handling Tests

Requirements	Test Methods/Standards	Comment	Result
3.2. Easy to Adjust (10 %)	Adjust (move upwards / downwards, change angles) all the movable parts of the product (i.e. the main platform, keyboard compartment, etc.) and fix the heights according to the instruction manual. Evaluate if all the desired positions can be achieved and the easiness in the whole adjustable range. Test shall be performed: 1. without load, 2. with a notebook and a monitor as in actual use, 3. with max load according to the instruction manual (if not claimed, use the total weight of 2 common notebooks and 2 monitors).	1. Sharp edge was found on the handle; 2. It is not easy to adjust the height of the product; 3. It is not comfortable to use the product.	4.0
3.3. Adjustment Smoothness and Noise (5 %)	After Clause 3.2, evaluate also the smoothness and noise during height adjusting.	Unsmooth movement and a clear kind of "jump start" when the bottom is released.	5.0
3.4. Ease of Cleaning (5 %)	Actual use to evaluate the easiness to clean the product surface according to the care instruction if any or common sense. Precondition: simulate the typical dust and dirt from the normal using environment (e.g. pencil marks, fritter of the rubbers) on the item (everywhere). product Clean the area with a damp cloth and not aggressive detergent if necessary, according to the care instruction.	Very easy to clean, with all stains being easily removed by pure water.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.1. Actual Use Test (20 %)	Actual use of the product for 4 hours office works (sitting and standing). At least 3 tester shall be used, which contains: - 1 female with body height around 170 cm, - 2 males, at least one of them with body height ≥ 185 cm. Evaluate the desk working space, mouse / keyboard compartment, if the cables (for notebook, monitor, mouse and keyboard) are able to be well arranged / hidden, etc.	In the office working circumstance, it is not comfortable to use the keyboard due to the shape, and the product with unpleasant noises or wobbles.	4.0
4.2. Minimal and Maximal Height (5 %)	Measure the min adjustable height and the max adjustable height. Calculate the adjustable height range and evaluate. Bigger the adjustable range is, then more users with different body heights are fit to the product.	The adjustable range is biggest in the comparison.	1.0
4.3. Occupied Table Surface (5 %)	Measure and evaluate the occupied table surface when the product is at the min height and the max height.	No change at the min and at the max heights.	1.0
4.4. Stability Test (5 %)	Adjust the product to the max height and to the max extended position for the keyboard compartment. Put the product onto a tilted surface starting from 5° at the most unfavorable stable position, until it tips over.	No tip over at 30°, also no slips.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.5. Static Over Loading Test (15 %)	Adjust the product to a pre-defined height, secure the lock mechanism and record the current height. Apply 1.5 times of the claimed max load on the product for 30 minutes and record the height where the max deformation occurs. Remove the load and record the height. Evaluate the deformation and the height change if happens. Test shall be carried out at 5 different positions. 1. Min height, 2. Around 1/3 of the max height, 3. Around 1/2 of the max height, 4. Around 2/3 of the max height, 5. Max height.	H1: initial height, before testing H2: height with load H3: height after removing the load $0.5\text{ mm} < H1 - H2 \leq 1\text{ mm}$	2.0
4.6. Durability Test (10 %)	Apply the claimed max load on the product and adjust the height for 200 cycles. Then test according to Clause 4.5 again. 1 cycle = unlock and lift the product with load from the min height, to around 1/2 of the max height, lock/unlock, until the max height, lock/unlock; then lower it to 1/2 of the max height, lock/unlock, until the min height, lock.	At the highest position: H1: initial height, before testing H2: height with load, after testing H3: height after removing the load $0.5\text{ mm} < H1 - H2 \leq 1\text{ mm}$	2.0
4.7. Corrosion Resistance (5 %)	Metal parts shall withstand a 5 % salt spray test for 24 hours with reference to EN ISO 9227-NSS. Evaluate the results according to corrosion rating standard ISO 10289.	Metal part: Grade 6 according to ISO 10289.	4.0

5. Instruction



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Requirements	Test Methods/Standards	Comment	Result
5.1. Instructions for Use / Care Instructions (5 %)	Verify the user instructions. The contents shall be clear, easy to understand and sufficient, regarding the intended usage, assembly, safe operation, maintenance, necessary warnings and other useful instructions.	Lack the assembly and maintenance information.	4.0



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Sample D

Requirement(s)	Overall rating
Fit for Use test program for Height Adjustable Standing Desk.	Satisfactory (2.6)
The product complies with the specified requirement(s).	

Valuation code for the Fit-For-Use testing		
Criteria	Grading points	Comment(s)
Very good	1	Requirements and expectations of the function and handling are exceeded. No deviations of the function and handling. (Score 0.5 - 1.5)
Good	2	Requirements and expectations are completely fulfilled. Minor deviations have no influence on the function and handling, and are not visible by the customer or rather barely visible. (Score 1.6 - 2.5)
Satisfactory	3	Requirements and expectations are as far as possible fulfilled. Deviations are recognized by the customer, but have only a minor effect on the function and handling. (Score 2.6 - 3.5)
Acceptable	4	Requirements partly fulfilled, deviations are recognized with high probability by the customer and have an influence on the function and handling. Customer expectations are only partially or not fulfilled. (Score 3.6 - 4.5)
Poor / Failure	5	Essential requirements are not fulfilled. Deviation(s), safety relevant function or the loss of function or the misdirection of the user. Function does not exist or no operability of the function possible. (Score 4.6 - 5.5)

Summary for the full test and weighting			
Clause	Test clause heading	Weight (Total 100%)	Grading / Rating
1	Technical Characteristics	-	-
2	Product Quality	5	0.10
3	Handling Tests	25	0.70
4	Functional and Durability Tests	65	1.65
5	Instruction	5	0.10

**Devaluation:**  
If the Functional and Durability Tests are poor, the final overall rating shall be poor.



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**1. Technical Characteristics**

Requirements	Test Methods/Standards	Comment	Result
1.1. Weight	Standard measurement.	23.65 kg	/
1.2. Material	Information offered by client.	Metal + MDF + Plastic	/
1.3. Setup Size	Standard measurement.	912 mm L x 750~1055 mm W x 125~450 mm H	/
1.4. Adjustable Height Range	Standard measurement.	325 mm	/

**2. Product Quality**

Requirements	Test Methods/Standards	Comment	Result
2.1. Workmanship (5 %)	Evaluate the product and its components connection on design, quality, material, odor and appearance, as well as to check for sharp edges, mechanical squeezing and shearing points that the item shall be free from.	/	2.0

**3. Handling Tests**

Requirements	Test Methods/Standards	Comment	Result
3.1. Unpacking / Installation (5 %)	Take the product out of the package and assemble / install the product according to the instruction manual or common sense. Evaluate the easiness, the effort and time consuming.	/	2.0



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3. Handling Tests

Requirements	Test Methods/Standards	Comment	Result
3.2. Easy to Adjust (10 %)	Adjust (move upwards / downwards, change angles) all the movable parts of the product (i.e. the main platform, keyboard compartment, etc.) and fix the heights according to the instruction manual. Evaluate if all the desired positions can be achieved and the easiness in the whole adjustable range. Test shall be performed: 1. without load, 2. with a notebook and a monitor as in actual use, 3. with max load according to the instruction manual (if not claimed, use the total weight of 2 common notebooks and 2 monitors).	Not comfortable to handle the operating elements.	3.0
3.3. Adjustment Smoothness and Noise (5 %)	After Clause 3.2, evaluate also the smoothness and noise during height adjusting.	Unsmooth movement and a clear kind of "jump start" when the bottom is released.	5.0
3.4. Ease of Cleaning (5 %)	Actual use to evaluate the easiness to clean the product surface according to the care instruction if any or common sense. Precondition: simulate the typical dust and dirt from the normal using environment (e.g. pencil marks, fritter of the rubbers) on the item (everywhere). product Clean the area with a damp cloth and not aggressive detergent if necessary, according to the care instruction.	Very easy to clean, with all stains being easily removed by pure water.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.1. Actual Use Test (20 %)	Actual use of the product for 4 hours office works (sitting and standing). At least 3 tester shall be used, which contains: - 1 female with body height around 170 cm, - 2 males, at least one of them with body height ≥ 185 cm. Evaluate the desk working space, mouse / keyboard compartment, if the cables (for notebook, monitor, mouse and keyboard) are able to be well arranged / hidden, etc.	Not very comfortable, needs more forces to adjust and with increased noises or wobbles.	3.0
4.2. Minimal and Maximal Height (5 %)	Measure the min adjustable height and the max adjustable height. Calculate the adjustable height range and evaluate. Bigger the adjustable range is, then more users with different body heights are fit to the product.	The adjustable range is smallest in the comparison.	3.0
4.3. Occupied Table Surface (5 %)	Measure and evaluate the occupied table surface when the product is at the min height and the max height.	Product needs slight more space at the max height than at the min height. But it occupies certain space.	3.0
4.4. Stability Test (5 %)	Adjust the product to the max height and to the max extended position for the keyboard compartment. Put the product onto a tilted surface starting from 5° at the most unfavorable stable position, until it tips over.	No tip over at 30°, also no slips.	1.0



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4. Functional and Durability Tests

Requirements	Test Methods/Standards	Comment	Result
4.5. Static Over Loading Test (15 %)	Adjust the product to a pre-defined height, secure the lock mechanism and record the current height. Apply 1.5 times of the claimed max load on the product for 30 minutes and record the height where the max deformation occurs. Remove the load and record the height. Evaluate the deformation and the height change if happens. Test shall be carried out at 5 different positions. 1. Min height, 2. Around 1/3 of the max height, 3. Around 1/2 of the max height, 4. Around 2/3 of the max height, 5. Max height.	H1: initial height, before testing H2: height with load H3: height after removing the load $0.5\text{ mm} < H1 - H2 \leq 1\text{ mm}$	2.0
4.6. Durability Test (10 %)	Apply the claimed max load on the product and adjust the height for 200 cycles. Then test according to Clause 4.5 again. 1 cycle = unlock and lift the product with load from the min height, to around 1/2 of the max height, lock/unlock, until the max height, lock/unlock; then lower it to 1/2 of the max height, lock/unlock, until the min height, lock.	At the highest position: H1: initial height, before testing H2: height with load, after testing H3: height after removing the load $0.5\text{ mm} < H1 - H2 \leq 1\text{ mm}$	2.0
4.7. Corrosion Resistance (5 %)	Metal parts shall withstand a 5 % salt spray test for 24 hours with reference to EN ISO 9227-NSS. Evaluate the results according to corrosion rating standard ISO 10289.	Metal part: Grade 6 according to ISO 10289.	4.0



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5. Instruction

Requirements	Test Methods/Standards	Comment	Result
5.1. Instructions for Use / Care Instructions (5 %)	Verify the user instructions. The contents shall be clear, easy to understand and sufficient, regarding the intended usage, assembly, safe operation, maintenance, necessary warnings and other useful instructions.	/	2.0



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**Test Result 1 (SGS Ref. No.: CAN17-154203, CAN17-154866; CAN17-159491):**

Result Summary :

<u>Test Parameter</u>	<u>Conclusion</u>
CPSIA section 101(f) - Lead in paint/similar surface coating material	PASS
Determination of Lead(Pb) content in the submitted sample(s) in accordance with/reference to Consumer Product Safety Commission of U.S.A. Title 16, Code of Federal Regulation, part 1303.	PASS
Determination of Lead (Pb) content(s) of the selected parts in the submitted sample(s) with reference to California Proposition 65.	PASS
To determine Total Lead(Pb) and Total Mercury(Hg) content(s) with reference to Surface Coating Materials Regulations (SOR/2016-193).	PASS
To determine Mercury(Hg) content in the submitted samples with reference to Products Containing Mercury Regulations SOR/2014-254.	PASS
To determine Total Lead(Pb), Cadmium(Cd), Mercury(Hg) and Hexavalent Chromium(CrVI) contents in the submitted sample(s) in accordance with US Model Toxics in Packaging Legislation (TPCH: Toxics in Packaging Clearing House) (formerly CONEG).	PASS

Remark:

Test results in this report are applicable for the item tested and reflects the tested sample as received.

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN17-154203.001	Black coating on metal(Spring, in leg)
SN2	CAN17-154203.002	White coating on metal(frame)
SN3	CAN17-154203.003	White adhesive sheet with black, orange & yellow printing(warning label)
SN4	CAN17-154203.004	Silvery adhesive sheet with black printing(on spring)
SN5	CAN17-154203.005	White plastic sheet(top, desktop & keyboard tray)
SN6	CAN17-154203.006	White plastic(button & button base)
SN7	CAN17-154203.007	White plastic(foot)
SN8	CAN17-154203.008	White plastic(cover, leg)
SN9	CAN17-154203.009	Black soft plastic(wire jacket)
SN10	CAN17-154203.010	Black soft plastic(footpad)
SN11	CAN17-154203.011	Silvery metal(wire)
SN12	CAN17-159491.012	Silvery metal washer(semi-product)
SN13	CAN17-154203.013	Silvery metal(barrel, on wire jacket)
SN14	CAN17-154203.014	Silvery metal with black surface(logo tag)
SN15	CAN17-154203.015	Silvery metal screw(round head)
SN16	CAN17-154203.016	Silvery metal screw(flat head)
SN17	CAN17-154203.017	Silvery metal without coating(joint, keyboard tray)



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SN18	CAN17-154203.018	Silvery metal without coating(bar, keyboard tray)
SN19	CAN17-154203.019	Silvery metal without coating(leg)
SN20	CAN17-154203.020	Silvery metal bolt(on leg)
SN21	CAN17-154203.021	Silvery metal spring(in button base)
SN22	CAN17-154203.022	Silvery metal without coating(bar, on leg)
SN23	CAN17-154203.023	Silvery metal without coating(spring, in leg)
SN24	CAN17-154203.024	Silvery metal(joint, in leg)
SN25	CAN17-154203.025	Silvery metal(foot)
SN26	CAN17-154203.026	Silvery metal without coating(solder)
SN27	CAN17-154203.027	Brown corrugated paper box with black printing
SN28	CAN17-154203.028	Brown corrugated paper board
SN29	CAN17-154203.029	Transparent plastic bag with black printing
SN30	CAN17-154203.030	White paper card with multicolor printing(guide card)
SN31	CAN17-154203.031	White adhesive sheet with black printing(barcode)
SN32	CAN17-154203.033	Black plastic(on spring, in leg)
SN33	CAN17-154203.034	White soft plastic(pad, on leg)
SN34	CAN17-154203.035	Transparent adhesive tape(on box)
SN35	CAN17-154203.036	White plastic sheet(bottom, desktop & keyboard tray)
SN36	CAN17-154866.037	Black coating on metal
SN37	CAN17-154866.038	Black plastic sheet(top, on wood)
SN38	CAN17-154866.039	Black plastic sheet(bottom, on wood)
SN39	CAN17-154866.040	White EPE
SN40	CAN17-154866.041	White foam

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

**CPSIA section 101(f) - Lead in paint/similar surface coating material**

Test Method : With reference to CPSC-CH-E1003-09.1. Analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002
Lead (Pb)	0.009	%(w/w)	0.002	ND	ND
Comment				PASS	PASS



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Test Item(s)	Limit	Unit	MDL	037
Lead (Pb)	0.009	%(w/w)	0.002	ND
<b>Comment</b>				<b>PASS</b>

### 16 CFR 1303

Test Method : With reference to CPSC-CH-E1003-09.1. Analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002
Lead (Pb)	0.009	%(w/w)	0.002	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	037
Lead (Pb)	0.009	%(w/w)	0.002	ND
<b>Comment</b>				<b>PASS</b>

### CA65- Lead (Pb)

A: Test Method : With reference to CPSC-CH-E1003-09.1. Analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	037
Lead (Pb)	0.02	%(w/w)	0.002	ND
<b>Comment</b>				<b>PASS</b>

B: Test Method : With reference to CPSC-CH-E1002-08.3. Analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	003	004	005
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	006	007	008
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>009</u>	<u>010</u>	<u>033</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>034</u>	<u>036</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>038</u>	<u>039</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>

C: Test Method : With reference to CPSC-CH-E1001-08.3. Analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>011</u>	<u>012</u>	<u>013</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>014</u>	<u>015</u>	<u>016</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>017</u>	<u>018</u>	<u>019</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>020</u>	<u>021</u>	<u>022</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>023</u>	<u>024</u>	<u>025</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND	ND	ND
<b>Comment</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>026</u>
Lead (Pb)	0.02	%(w/w)	0.002	ND
<b>Comment</b>				<b>PASS</b>

Note :

- (1) The limit is referenced to the requirement as stated in the County of San Francisco Court Case No.: CGC-09-491452.
- (2) #=#Exceed the limit



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**Lead (Pb) & Mercury (Hg)**

Test Method : With reference to Canada Health, Product Safety Laboratory, Book 5 Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.2:2012 and C-07:2014. Analysis was performed by ICP-OES, AAS & Mercury Analyzer.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND
Total Mercury (Hg)	10	mg/kg	1	ND	ND	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>
Total Lead (Pb)	90	mg/kg	20	ND
Total Mercury (Hg)	10	mg/kg	1	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>037</u>
Total Lead (Pb)	90	mg/kg	20	ND
Total Mercury (Hg)	10	mg/kg	1	ND

**Canada Consumer Product Safety Act (S.C. 2010, c. 21), SOR/2014-254- Mercury (Hg)**

Test Method : With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>003</u>
Mercury (Hg)	1000	mg/kg	2	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>	<u>006</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>007</u>	<u>008</u>	<u>009</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>010</u>	<u>011</u>	<u>012</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>013</u>	<u>014</u>	<u>015</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>016</u>	<u>017</u>	<u>018</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND



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Test Item(s)	Limit	Unit	MDL	<u>019</u>	<u>020</u>	<u>021</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Test Item(s)	Limit	Unit	MDL	<u>022</u>	<u>023</u>	<u>024</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Test Item(s)	Limit	Unit	MDL	<u>025</u>	<u>026</u>	
Mercury (Hg)	1000	mg/kg	2	ND	ND	
Test Item(s)	Limit	Unit	MDL		<u>027</u>	<u>028</u>
Mercury (Hg)	1000	mg/kg	2		ND	ND
Test Item(s)	Limit	Unit	MDL	<u>029</u>	<u>030</u>	<u>031</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Test Item(s)	Limit	Unit	MDL	<u>033</u>	<u>034</u>	<u>035</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Test Item(s)	Limit	Unit	MDL	<u>036</u>	<u>038</u>	<u>039</u>
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Test Item(s)	Limit	Unit	MDL	<u>040</u>	<u>041</u>	
Mercury (Hg)	1000	mg/kg	2	ND	ND	

### **US Model Toxics in Packaging Legislation (TPCH: Toxics in Packaging Clearing House) (formerly drafted by CONEG) – Total Lead, Cadmium, Mercury and Hexavalent Chromium content**

Test Method : With reference to GZTC CHEM-TOP-174-01. Analysis of Cadmium, Lead and Mercury was performed by ICP-OES. Analysis of Hexavalent Chromium (Cr(VI)) was performed by UV-Vis

Test Item(s)	Limit	Unit	MDL	<u>027</u>	<u>028</u>	<u>029</u>
Lead (Pb)	-	mg/kg	5	8	9	ND
Hexavalent Chromium (CrVI)	-	mg/kg	5	ND	ND	ND
Cadmium (Cd)	-	mg/kg	5	ND	ND	ND
Mercury (Hg)	-	mg/kg	5	ND	ND	ND
Total (Pb + Cd + Cr VI + Hg)	100	mg/kg	-	8	9	ND



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Test Item(s)	Limit	Unit	MDL	030	031	035
Lead (Pb)	-	mg/kg	5	ND	ND	ND
Hexavalent Chromium (CrVI)	-	mg/kg	5	ND	ND	ND
Cadmium (Cd)	-	mg/kg	5	ND	ND	ND
Mercury (Hg)	-	mg/kg	5	ND	ND	ND
Total (Pb + Cd + Cr VI + Hg)	100	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	040	041
Lead (Pb)	-	mg/kg	5	ND	ND
Hexavalent Chromium (CrVI)	-	mg/kg	5	ND	ND
Cadmium (Cd)	-	mg/kg	5	ND	ND
Mercury (Hg)	-	mg/kg	5	ND	ND
Total (Pb + Cd + Cr VI + Hg)	100	mg/kg	-	ND	ND

Notes :

- (1) The TPCH legislation has been enacted by California, Connecticut, Florida, Georgia, Illinois, Iowa, Maine, Maryland, Minnesota, Missouri, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, Washington and Wisconsin.



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Sample Photos



View 1



View 2



View 3



View 4

**Remark:** This test was subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.



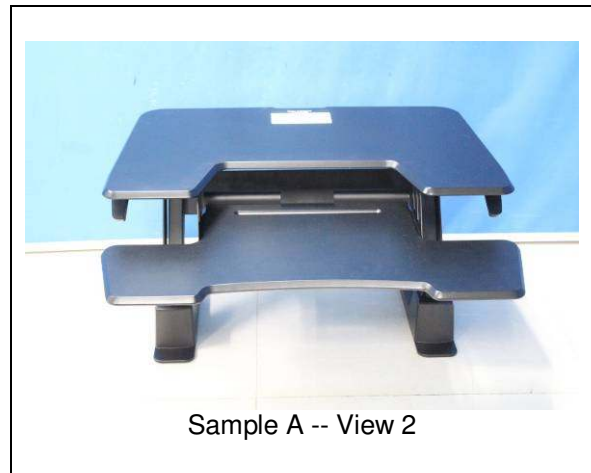
**SAMPLE INFORMATION AND PICTURES**

	Weight	Overall Dimensions
Sample A	27.85 kg	902 mm L x 820~980 mm W x 140~510 mm H
Sample B	22.75 kg	880 mm L x 790 mm W x 156~512 mm H
Sample C	25.20 kg	955 mm L x 690 mm W x 125~500 mm H
Sample D	23.65 kg	912 mm L x 750~1055 mm W x 125~450 mm H

**Sample as Received**



Sample A -- View 1



Sample A -- View 2



Sample A -- View 3



Sample A -- View 4

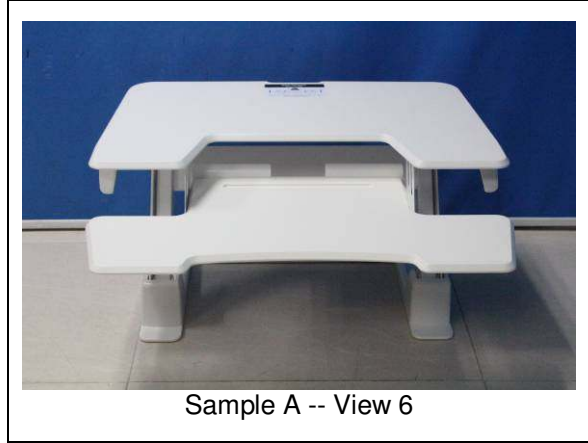


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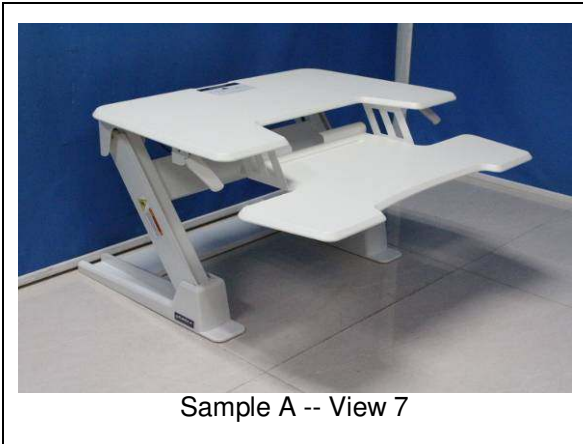
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Sample A -- View 5



Sample A -- View 6



Sample A -- View 7



Sample A -- View 8



Sample B -- View 9



Sample B -- View 10





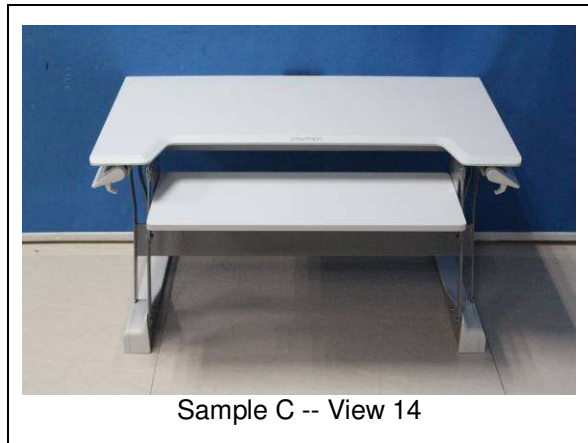
Sample B -- View 11



Sample B -- View 12



Sample C -- View 13



Sample C -- View 14



Sample C -- View 15



Sample C -- View 16





Sample D -- View 17



Sample D -- View 18



Sample D -- View 19



Sample D -- View 20



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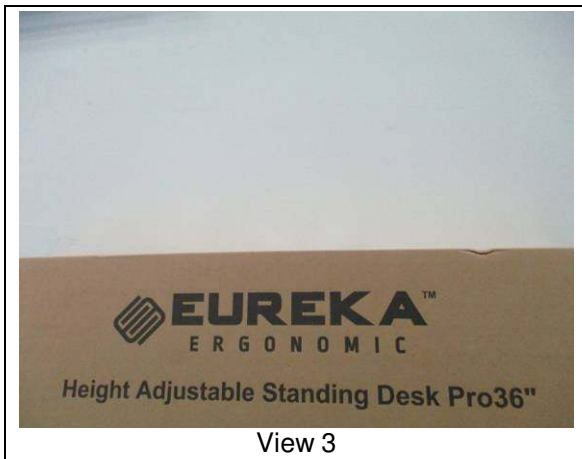
**Package and label of sample A**



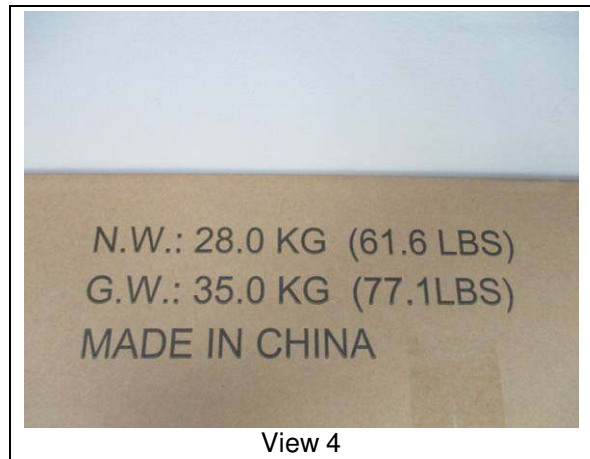
View 1



View 2



View 3



View 4



View 5

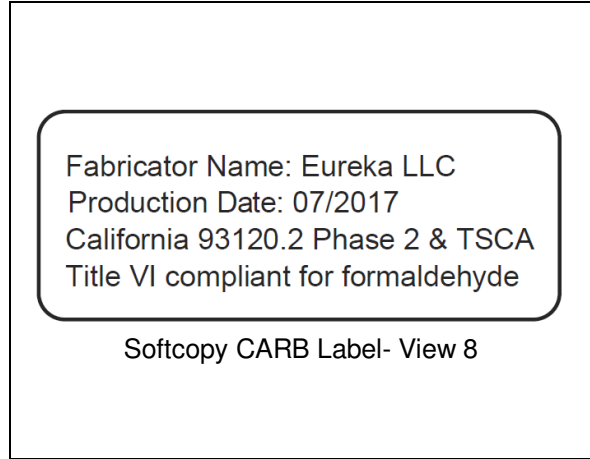


View 6





View 7



Softcopy CARB Label- View 8

\*\*\*End of Report\*\*\*

