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## DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2006

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SECTION A - Please complete all items online.						
I			Director of	Andon Health Co	o. , Ltd	
hereby state that there are no differences that will affect blood pressure measuring accuracy between the						
BEURER SBM 43  - Blood pressure measuring device for which validation is claimed						
blood press	ure mea	suring device and the				
1		Andon KD-5915	**			
		Existing validated blood pressure measuring device				
blood press as follows	ure mea	suring device, which has previously passe	ed the ESH protoc	ol, the results of w	hich were published	
		Qi-Fang Huang, Jie Wang, Chang-Shen	g Sheng, Na-Na Zh	nang, Yan Li and J	i-Guang Wang	
		Authors(s) Validation of the ANDON KD-5915 blo	ood pressure monit	or for home blood	pressure	
		monitoring according to the European S				
		Title				
		Blood Pressure Monitoring	2010;volu Year Volume	me15;pp232-234 Pages		
The only di	fference	s between the devices involve the following				
		evant, both Yes and No should be left blank. Please provide de		w.)		
Part I	1	Algorithm for Oscillometric Measureme	ents	Yes □	No ⊠	
	2	Algorithm for Auscultatory Measureme		Yes 🗆	No 🗆	
	3	Artefact/Error Detection		Yes 🗆	No ⊠	
	4	Microphone(s)		Yes 🗆	No □	
	5	Pressure Transducer		Yes 🗆	No ⊠	
	6	Cuff or Bladder		Yes 🗆	No ⊠	
	7	Inflation Mechanism		Yes 🗆	No ⊠	
	8	Deflation Mechanism		Yes 🗆	No ⊠	
Part II	9	Model Name or Number		Yes ⊠	No 🗆	
	10	Casing		Yes ⊠	No □	
	11	Display		Yes ⊠	No 🗆	
	12	Carrying/Mounting Facilities		Yes 🗆	No □	
	13	Software other than Algorithm		Yes ⊠	No □	
	14	Memory Capacity/Number of stored me	easurements	Yes ⊠	No □	
	15	Printing Facilities		Yes 🗆	No 🗆	
	16	Communication Facilities		Yes □	No 🗆	
	17	Power Supply		Yes 🗆	No 🗆	
	18	Other Facilities		Yes 🗆	No 🗆	
Brief explai	nation o	f differences and further relevant details:				
	5	o voice function; display the average v o'clock to 9 o'clock in last 7 days; disp measured from 18 o'clock to 20 o'clo 60	play the average			

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**SECTION B** - Complete all items, bar signatures and seal, online and print. Sign and seal it then send the original along with manuals for both devices to our address below.

Signature of Director

Company Stamp/Seal

Name

Liu yi

Date

15 December 2011

Signature of Witness

刘佑.

Name

Liu zhijun

Address

- Andon Health Co., Ltd. No.3 Jin Ping Street, Ya An Road, Nankai District, Tianjin 300790, China



## Comparison of the Beurer (Sanitas) SBM 43 with the Andon KD-5915

Devices	Beurer (Sanitas) SBM 43		Andon KD-5915
Pictures			12:08 8. 18. 12:08 8. 18. 12:08 8. 18. 12:08 8. 18. 12:08 8. 18.
Display	3		38:88 18,438. 1,49,4 30.0 ≠ 30.0 kPa mmHg
Validation			ESH
Device 1 Criteria	Display/Symbols/Indicators  Preparation and Measurement Records  User number (☐ or ☐ )  Post Measurement  All measurements average (☐ symbol)  7-day morning average (☐ symbol)  7-day evening average (☐ symbol)  Algorithms  Averages and Differences  All measurements mean  7-day morning mean  7-day evening mean	11, 14 11, 13, 14 11, 13, 14 11, 13, 14 13 13	

Devices	Beurer (Sanitas) SBM 43	Andon KD-5915  Measurement Accuracy		
Same Criteria	Measurement			
	Accuracy			
	BP accuracy ± 3 mmHg	BP accuracy ± 3 mmHg	1, 5	
	Pulse accuracy ± 5% Query 1	Pulse accuracy ± 5% Query 1	1, 5	
	Method	Method		
	Oscillometric measurement method	1, 5	Oscillometric measurement method	1, 5
	BP 30 mmHg – 280 mmHg <sup>Query 2</sup>	1, 5, 7, 8	BP 30 mmHg – 280 mmHg <sup>Query 2</sup>	1, 5, 7, 8
	Pulse 40 bpm – 180 bpm	1, 5, 8	Pulse 40 bpm – 180 bpm	1, 5, 8
	Manually initiated measurements	13	Manually initiated measurements	13
	Measurements are from single inflations	13	Measurements are from single inflations	13
	Inflation		Inflation	
	Inflation 0 mmHg – 295 mmHg	1, 5, 7	Inflation 0 mmHg – 295 mmHg	1, 5, 7
	Automatic Inflation	7	Automatic Inflation	7
	Zero pressure check before inflation Query 3	7	Zero pressure check before inflation Query 3	7
	Deflation		Deflation	
	Automatic Deflation	8	Automatic Deflation	8
	Cuffs		Cuffs	
	Medium (Arm circ. 22 to 30 cm)	6	Medium (Arm circ. 22 to 30 cm)	6
	Large (Arm circ. 30-42 cm) (Optional)	6	Large (Arm circ. 30-42 cm) (Optional)	6
	Extra Large (Arm circ. 42-48 cm) (Usable but not suppli	ied) <sup>Query 4</sup> 6	Extra Large (Arm circ. 42-48 cm) (Optional) Query 4	6
	Sensors		Sensors	
	Pressure sensor: KD-2107-006G or KD-2107-006GR Quer	<sup>-y 5</sup> 5	Pressure sensor: KD-2107-006G or KD-2107-006GR Query 5	5
	Buttons/Switches		Buttons/Switches	
	Power		Power	
	On/Off with Start/Stop (① symbol)	10	On/Off with Start/Stop (START label)	10
	Measurement Records		Measurement Records	
	Memory (MEM label)	10	Memory (MEM label)	10
	Display/Symbols/Indicators		Display/Symbols/Indicators Preparation	
	Preparation Previous result displayed on BP start (U1 or U2)	11 14	Previous result displayed on BP start	11, 14
		11, 14	Remnant air in cuff (♣ symbol) Query 6	
	Release air (♣ symbol) Query 6  Measurement Procedure	11, 14	Measurement Procedure	11, 14
		11	Heartbeat symbol during deflation	11
	Heartbeat symbol during deflation  Post Measurement	11	Post Measurement	11
	SBP, DBP and Pulse	11	SBP, DBP and Pulse	11
	Measurement error (0, 1, 2, 3, 4, 5, 6, 7, 8, A)	11	Measurement error (0, 1, 2, 3, 4, 5, 6, 7, 8, A)	11
	Hypertension (Indicator strip)	11, 13	Hypertension (Indicator strip)	11, 13

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Devices	Beurer (Sanitas) SBM 43	Andon KD-5915  Display/Symbols/Indicators Post Measurement		
Same Criteria (Continued)	Display/Symbols/Indicators Post Measurement			
	BP classification (WHO)	), 11, 13	BP classification (WHO)	10, 11, 13
	Irregular heartbeat 12 Measurement Records	., 13, 18	Irregular heartbeat  Measurement Records	11, 13, 18
	Memory "M" symbol Date and Time	11	Memory "M" symbol  Date and Time	11
	Date and Time	11	Date and Time	11
	Date and Time (During memory recall)  Power	11	Date and Time (During memory recall)  Power	11
	Low battery	11, 17	Low battery	11, 17
	Algorithms Diagnostic		Algorithms Diagnostic	
	WHO Guidelines	13	WHO Guidelines	13
	Irregular heartbeat detection	13	Irregular heartbeat detection	13
	Case Display		Case Display	
	Single screen display	10	Single screen display	10
	Segment LCD Power	10	Segment LCD Power	10
	4 "AA" batteries ~ 500 measurements	17	4 "AA" batteries	17
	AC adapter (Optional)	17	AC adapter (Optional)	17
	Auto switch-off when not used for 1 min (2 min Memory mod	de) 17	Automatic switch-off when not used for 1 min	17
	Rechargeable batteries not permitted	17	Rechargeable batteries not permitted	17
Comparable Criteria	Measurement Measurement Records		Measurement Measurement Records	
	Memory: 2 × 60 measurements	Memory: 60 measurements	14	

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Devices	Beurer (Sanitas) SBM 43	Andon KD-5915	
Device 2 Criteria		Display/Symbols/Indicators Measurement Procedure	
		Beeps before measurement	18
		Optional voiced assistance  Post Measurement	18
		Optional voiced results	18
		Error re-inflate (♠ symbol)  Measurement Records	11, 14
		Memory recall number	11
		Optional voiced records  Settings	18
		Current unit (kPa / mmHg) marker Note 1	11
Web link		http://andon.manufacturer.globalsources.com/si/6008 tl/Wrist-blood/1032471456/Blood-Pressure-Monitor.ht	

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Comments	Ando	Andon is an OEM manufacturer for the SBM 43.					
	The S	The SBM 43 is functionally the same as the Andon KD-5915 with added dual user and averaging features but without the voiced results.					
	There	There were six queries which were answered satisfactorily.					
Queries		Query	A pulse accuracy of $\pm$ 5% is described for the SBM 43. No information on pulse accuracy is provided for the KD-5915. What is the pulse accuracy for the KD-5915?				
	1	Reply	The pulse accuracy of KD-5915 is +/- 5%				
		Comment	Clarification is accepted.				
		Query	A measurement range of 30 mmHg – 280 mmHg for both SBP and DBP is described for the SBM 43. No information on measurement ranges is provided for the KD-5915. What is the blood pressure measurement range for the KD-5915?				
	2	Reply	The measurement range of KD-5915 is 30 – 280 mmHg				
		Comment	Clarification is accepted.				
		Query	Is the zero pressure check used in the SBM 43?				
	3	Reply	Yes, the zero pressure check is used in the SBM43				
		Comment	Clarification is accepted.				
		Query	An optional extra large cuff (Arm circ. 42-48 cm) is available for the KD-5915. There is no mention of it in the manual for the SBM 43. Can this cuff be used with the SBM 43?				
	4	Reply	Yes, this cuff can be used with SBM43 but it is not part of our sales offer.				
		Comment	Clarification is accepted.				
		Query	The pressure sensor for the KD-5915 is described as KD-2107-006G or KD-2107-006GR. No information is provided for the SBM 43. Are the same sensors used?				
	5	Reply	Yes, SBM43 also use the same sensors				
		Comment	Clarification is accepted.				

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Queries (Continued)		Query	The ♣ symbol is described in the respective diagram legends as "Release Air" for the SBM 43 and as "the pressure in cuff is instable, or much remnant air in cuff" for the KD-5915. No other details are provided. What do these mean?
	6	Reply	"Release air" in SBM43 and "the pressure in cuff is instable, or much remnant air in cuff" in the KD-5915 have the same meaning
		Comment	Clarification is accepted.
Notes	1 A previous query to Andon is relevant		query to Andon is relevant
		Query	On the display screen of the KD-5915, there are units for mmHg and kPa that seem to indicate a conversion facility. No such ability is described. Can you please confirm this facility either way?
		Reply	When the "START" button is pressed, all display characters are shown for self-test. The kPa is only displayed at the moment. It's a reserved function that the result is displayed for kPa. The function doesn't open, so the Operation Guide of the KD-5915 doesn't mention it. The displayed "kPa" is just a reserved functionality.
		Comment	Clarification is accepted.
Recommendation	Equiv	alence is rec	ommended
Date	03/11/2012		

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