

**Labtex**

# AATCC Shrinkage Tester

## Model : LBT-M6T

Meet Standard: AATCCTM88B、TM88C、124、135、  
143、150、LP1-2018、ISO 6330:2012

Washing Cycle: AATCC LP1-2018 124、135、143、150、ISO 6330:2012

Table I (Normal、Delicate、Permanent press)

Table IIA (Normal、Delicate、Permanent press)

Table IIB (Normal、Delicate、Permanent press)

Table IIC (Normal、Delicate、Permanent press)

Table IID (Normal、Delicate)

Table IIIA (Normal、Delicate)

Table IIIB (Normal、Delicate)

Drain & Spin、Rinse & Spin

ISO 6330:2012 1B (Normal)

ISO 6330:2012 2B (Normal)

ISO 6330:2012 3B (Normal)

ISO 6330:2012 4B (Normal)

ISO 6330:2012 5B (Normal)

ISO 6330:2012 6B (Normal)

ISO 6330:2012 7B (Normal)

ISO 6330:2012 8B (Gentle)

ISO 6330:2012 9B (Normal)

ISO 6330:2012 10B (Normal)

ISO 6330:2012 11B (Gentle)

Customizing Cycle:

Nike 119 (Nike Apparel Wash Protocol)

Nike 100 (Nike Apparel Wash Protocol)

Water Control: 25~60°C (wash) Tap water (Rinse)

Washing Load: 10.5KG

Power Supply: 220V / 50Hz or 120V / 60Hz

power: 1KW

Packaging size: 700mm \* 680mm \* 1040mm

Packing weight: 78KG

(Washer does not has a heater, so connect to have a hot and cold water supply is essential)



**140-0002-0 Washing program-----AATCC 88B,88C-2018 Table I**

**AATCC 124,135,143,150-2018 Table I**

**Table I—Standard Washing Machine Parameters**

Cycle	Normal	Permanent Press	Delicate
Water Level Medium	19±1gal	19±1gal	19±1gal
Agitation Speed	86±2spm	86±2spm	27±2spm
Washing Time	16±1min	12±1min	8.5±1min
Final Spin Speed	660±15rpm	500±15rpm	500±15rpm
Final Spin Time	5±1min	5±1min	5±1min

**140-0003-0 Washing program-----AATCC LPI-2018 Table IIA**

**Table IIA— Alternate Laundering Parameters**

**(Traditional Top-loading Washing Machines 2000-2008)**

Cycle	Normal	Permanent Press	Delicate
Water Level Medium	18±1gal	18±1gal	18±1gal
Agitation Speed	179±2spm	179±2spm	119±2spm
Washing Time	12±1min	10±1min	8±1min
Final Spin Speed	645±15rpm	430±15rpm	430±15rpm
Final Spin Time	6±1min	4±1min	6±1min

**140-0004-0 Washing program-----AATCC LPI-2018 Table IIB**

**Table IIB— Alternate Laundering Parameters**

**(Traditional Top-loading Washing Machines 2009-2010)**

Cycle	Normal	Permanent Press	Delicate
Water Level Medium	18±1gal	18±1gal	18±1gal
Agitation Speed	179/119±2spm	179/119±2spm	119±2spm
Washing Time	12±1min	9±1min	6±1min
Final Spin Speed	645±15rpm	430±15rpm	430±15rpm
Final Spin Time	6±1min	4±1min	3±1min

**140-0005-0 Washing program-----AATCC LPI-2018 Table IIC**

**Table IIC— Alternate Laundering Parameters**

**(Traditional Top-loading Washing Machines 2011-2012)**

Cycle	Normal	Permanent Press	Delicate
Water Level Medium	19±1gal	19±1gal	19±1gal
Agitation Speed	86±2spm	86±2spm	27±2spm
Washing Time	16±1min	12±1min	8.5±1min
Final Spin Speed	660±15rpm	500±15rpm	500±15rpm
Final Spin Time	5±1min	5±1min	5±1min

**140-0006-0 Washing program-----AATCC LPI-2018 Table IID**

**Table IID— Alternate Laundering Parameters**

**(Traditional Top-loading Washing Machines 2013-2017)**

Cycle	Normal	Delicate
Water Level Medium	19±2gal	19±2gal
Agitation Speed	86±5spm	27±5spm
Washing Time	16±2min	8.5±1min
Final Spin Speed	660±15rpm	500±15rpm
Final Spin Time	5-10min	5-10min
Number of Rinses	1	1

**140-0007-0 Washing program-----AATCC LPI-2018 Table IIIA**

**Table IIIA— Alternate Laundering Parameters**

**(High-efficiency Top-loading Washing Machines 2013-2017)**

Cycle	Normal	Delicate
Water Level Medium	8±2gal	15±1gal
Agitation Speed	60±5spm	75±5spm
Washing Time	11±2min	9±2min
Final Spin Speed	770±20rpm	500±20rpm
Final Spin Time	5-18min	5-10min
Number of Rinses	1	1

**140-0008-0 Washing program-----AATCC LPI-2018 Table IIIB**

**Table IIIB— Alternate Laundering Parameters (High-efficiency  
Top-loading Washing Machines, Agitator Style, 2018)**

<b>Cycle</b>	<b>Normal</b>	<b>Delicate</b>
<b>Water Level Medium</b>	18±2gal	18±2gal
<b>Agitation Speed</b>	60±5spm	70±5spm
<b>Washing Time</b>	14±2min	8±2min
<b>Final Spin Speed</b>	660±20rpm	660±20rpm
<b>Final Spin Time</b>	5-10min	1-6min
<b>Number of Rinses</b>	1	1

**140-0009-0 Washing program-----ISO 6330:2012(E)Table D.1-Washing  
procedures for reference washing machine Type B**

Procedure No.	Stroke rate Normal (173 to 180) Gentle (114 to 120) strokes/min	Washing		Rinse		Spin	
		Liquor level (mm)	Wash time (min)	Liquor level (mm)	Rinse time (min)	Spin speed (rpm)	Spin time (min)
1B	173 to 180	297±25 (72L)	12	297±25 (72L)	3	613 to 640	6
2B	173 to 180	297±25 (72L)	12	297±25 (72L)	3	613 to 640	6
3B	173 to 180	297±25 (72L)	10	297±25 (72L)	3	399 to 420	4
4B	173 to 180	297±25 (72L)	12	297±25 (72L)	3	613 to 640	6
5B	173 to 180	297±25 (72L)	10	297±25 (72L)	3	399 to 420	4
6B	173 to 180	297±25 (72L)	12	297±25 (72L)	3	613 to 640	6
7B	173 to 180	297±25 (72L)	10	297±25 (72L)	3	399 to 420	4
8B	114 to 120	297±25 (72L)	8	297±25 (72L)	3	399 to 420	4
9B	173 to 180	297±25 (72L)	12	297±25 (72L)	3	613 to 640	6
10B	173 to 180	297±25 (72L)	10	297±25 (72L)	3	399 to 420	4
11B	114 to 120	398.5±17.8	8	297±25 (72L)	3	399 to 420	4



## Labtex M6T washing machine—2018 AATCC web site shrinkage test designated washing machine

### Standard equipment and detergent for standard laundering testing.

Background	<b>Standard Conditions</b> (updated February 12, 2018) The manufacturers report that these machines meet the parameters listed in the 2018 versions of TM88B, TM88C, TM124, TM135, TM143, and TM150. These parameters are also listed in LP1, <a href="#">Home Laundering: Machine Washing</a> , Table I.
<b>Washing Machines</b>	
Tumble Dryers	
Detergent	<ul style="list-style-type: none"><li>▪ SDL Atlas Vortex M6</li><li>▪ <b>Labtex LBT-M6</b></li></ul>
Detergent Details	<b>Alternate Conditions</b> (updated October 16, 2018) The manufacturers report that these machines meet the parameters listed in the noted tables of LP1, <a href="#">Home Laundering: Machine Washing</a> .
Resources	<ul style="list-style-type: none"><li>▪ <b>Labtex LBT-M6 (Tables I, IIC, IID, IIIA, IIIB)</b></li><li>▪ <b>Labtex LBT-M6T (Tables IIA 1.8-kg load only, IIB 1.8-kg load only)</b></li><li>▪ SDL Atlas Vortex M6 (Tables I, IIC, IID, IIIA, IIIB)</li><li>▪ Whirlpool 3LWTW4840YW (Table IIC 3.6-kg load only)*</li><li>▪ Whirlpool 3LWTW4815FW (Table IIIB 3.6-kg load only)*</li><li>▪ Whirlpool 4KWTW4815FW (Table IIIB 3.6-kg load only)*</li><li>▪ Whirlpool WTW5000DW (Table IIIC 3.6-kg load only, revised Delicate water level)*</li></ul> <p>*On October 15, 2018, Whirlpool issued the following statement: "Due to the complexity of using a residential washer designed to calibrate the water levels based on load size and fabric types, we do not feel that our Whirlpool Residential Washers &amp; Dryers will meet the needs of a standardized lab test unit in the future. Once the listed units are phased out, we will no longer pursue offering AATCC test machines." Click <a href="#">here</a> for Whirlpool washer details.</p> <p>AATCC does not verify the parameters of washing machines or dryers. The list above includes machines reported by the manufacturer to meet the parameters listed in the most recent version of LP1, <a href="#">Home Laundering: Machine Washing</a> and various test methods.</p>