

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Product Testing
ABN 43 006 014 106

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PRODUCT TESTING FEES PRICE LIST STRUCTURE Effective 1 July 2019 to 30 June 2020

		Fee \$	Total Inc. GST
FEES APPLICABLE TO CHEMICAL TESTING			
F12	pH of Extract	104.00	114.40
F17A	Fibre Identification - Qualitative	62.00	68.20
F17B	Analysis of Fibres - 1 Fibre	161.00	177.10
F17B2	Analysis of Fibres – 2 Fibres	219.00	240.90
F17B3	Analysis of Fibres – 3 Fibres	378.00	415.80
F19	Melting Point of fibres	176.00	193.60
F20	Fluidity of Cellulosic Fibres	288.00	316.80
F26	Free Formaldehyde Content	349.00	383.90
F26_2	Free Formaldehyde Content - subsequent samples submitted at same time)	182.00	200.20
F26A	VOC	1543.00	1697.30
F26C	Azo Dyes	176.00	193.60
F26D	APEO Testing	269.00	295.90
F27	Soluble Chromium Content of Wool	126.00	138.60
T37A	Insect Resistance (IR) Agent	204.00	224.40
FEES APPLICABLE TO COLOURFASTNESS TESTING			
T35A1	Colourfastness to Light - Xenon Arc Method	149.00	163.90
T35B	Colourfastness to Light - MBTF Method	123.00	135.30
T35Q	QUV - per hour	6.00	6.60
T36	Colourfastness to Washing	79.00	86.90
T50	Colourfastness to Water	70.00	77.00
T51A	Colourfastness to Perspiration - Acid	70.00	77.00
T51B	Colourfastness to Perspiration - Alkaline	70.00	77.00
T52A	Colourfastness to Rubbing - Fabric	60.00	66.00
T52B	Colourfastness to Rubbing - Carpet	60.00	66.00
T53	Colourfastness to Dry Cleaning Solvents	88.00	96.80
T54	Colourfastness to Sea Water	90.00	99.00
T55	Colourfastness to Chlorinated Water	117.00	128.70
T55B	Colourfastness to Chlorine Bleaching	117.00	128.70
T56	Colourfastness to Shampoo Solution	78.00	85.80

FEES APPLICABLE TO ELECTROSTATIC TESTING

T39	Electrostatic Propensity Stroll - one sole	452.00	497.20
T39B	Surface Resistance – Gigaohm	102.00	112.20
T39C	Bulk Resistance- Gigaohm	102.00	112.20

FEES APPLICABLE TO FLAMMABILITY TESTING

Apparel Fabrics

Children's Nightwear Test for AS/NZS 1249

T16	Garment Evaluation	127.00	139.70
T16/J	Label Durability	87.00	95.70
T16LA	Label Durability and Assessment	125.00	137.50
T17G	Flame Spread Test (Required before and after Laundering)	127.00	139.70
T17H	Surface Burn Test - (After Laundering)	121.00	133.10
T17I	Laundering	71.00	78.10

The tests required will depend on the fabric and garment construction.

Protective Clothing

T17GL	Limited Flame Spread	127.00	139.70
T45E	Thermal Protection Properties/Heat Transfer Index	261.00	287.10
T45ER	Heat Transfer Radiation	580.00	638.00
T45EF	Strength loss after heat transfer radiation	715.00	786.50

Building / Drapery / Upholstery / Wall and Ceiling Linings / Floor Coverings / Ductwork / Insulation

T17C	Cigarette Test for Furniture Fabrics	188.00	206.80
T17D	Match Flame Equivalent Test for Upholstery Fabrics	188.00	206.80
T17DC	Crib tests (4 - 7) single mock up crib	442.00	486.20
T17DD	Crib Test (4 - 7) per 2 complete assembled seats	872.00	959.20
T18A	AS1530.2 Flammability of Materials	499.00	548.90
T18B	AS/NZS1530.3 Early Fire Hazard Properties	940.00	1034.00
T18BG	AS/NZS 1530.3 Guidance Test for Early Fire Hazard (2 specimens)	391.00	430.10
T18D	UL 181 burn test (ducting)	540.00	594.00
T45A	Methenamine Pill Method	133.00	146.30
T45B	Hot Nut Test for Carpets or Underlay	153.00	168.30
T45C	Critical Heat Flux (AS/ISO 9239.1, ISO 9239.1)	457.00	502.70
T45CG	Critical Heat Flux (AS/ISO 9239.1, ISO 9239.1) guidance test (1 specimen)	183.00	201.30
T45G	Cone Calorimeter (AS/NZS 3837, ISO 5660)	1176.00	1293.60
T45GG	Cone Calorimeter (AS/NZS 3837, ISO 5660) guidance test (1 specimen)	351.00	386.10

Transport

T17A	Vertical Flammability Test, aircraft (FTMS 191-5903, FAR 25.853)	183.00	201.30
T17AK	Kerosene Burn test, aircraft cushions (FAR 25.853 Appendix F)	2120.00	2332.00
T17B	Horizontal Flammability Test, automotive (eg MVSS 302)	344.00	378.40

FEES APPLICABLE TO LAUNDRY SWATCH EVALUATION

T99A	EMPA #105 Soiled Test Swatch Purchase	72.00	79.20
T99B	EMPA 105 - Colour Evaluation	89.00	97.90
T99D	Total Damage Evaluation	123.00	135.30
T99E	Chemical Damage Evaluation	273.00	300.30
T99F	EMPA 224 - Colour Evaluation	106.00	116.60
T99G	Ash Content	132.00	145.20

FEES APPLICABLE TO MECHANICAL TESTING

Carpets

F26A	VOC	1543.00	1697.30
T31	Extractable Matter - Pile Yarn	129.00	141.90
T32	Surface Pile Mass (pile above substrate) - standard atmosphere	121.00	133.10
T33A	Total Thickness	61.00	67.10
T33B	Pile Thickness - with surface pile mass	60.00	66.00
T33D	Pile Thickness - as separate test	88.00	96.80
T34	Tuft Withdrawal Force - each type	110.00	121.00
T35A2	Colourfastness to Light - Xenon Arc Method	149.00	163.90
T37A	Insect Resistance (IR) Agent	204.00	224.40
T40A	Tufts per Unit Area	68.00	74.80
T40B	Total Mass per Unit Area	87.00	95.70
T44AG	Dynamic Loading (ACCS Method) - WIRA	90.00	99.00
T44D2	Appearance Retention - Hexapod Tumbler Method (2000 and 8000 cycles)	167.00	183.70
T44E	Pilling & Fuzzing - Usometer	213.00	234.30
T45C	Critical Heat Flux (AS/ISO 9239.1)	457.00	502.70
T57	Abrasion Resistance- WIRA Method - 20,000 cycles	121.00	133.10
T58	Bond Strength	131.00	144.10
T59A	Dimensional Stability - Mechanical Forces	164.00	180.40
T59B	Dimensional Stability - Ambient Humidity	124.00	136.40
T59C	Dimensional Stability - Heat & Water	181.00	199.10
T62B	Static Loading - Long Term (AS Method)	122.00	134.20
T62BG	Static Loading - Long Term (ACCS Method)	90.00	99.00
T86	Soiling Propensity	198.00	217.80
T86D	Stain Resistance	185.00	203.50
P003	ACCS Performance Update Package	389.00	427.90
P007	ACCS Carpet Package – Full	641.00	705.10

Hospital & Healthcare Carpet Program

A full package of tests is available specifically for evaluation of carpets for healthcare facilities. Please enquire with our technologists for details to suit your requirements.

Ductwork (AS 4254.1)

T18B	AS/NZS1530.3 Early Fire Hazard Properties	940.00	1034.00
T18D	UL 181 burn test (ducting)	540.00	594.00
T18E	Mould Growth and Humidity	386.00	424.60
T18F	Temperature	372.00	409.20
T18G	Puncture	74.00	81.40
T18H	Static Load	141.00	155.10
T18I	Impact	141.00	155.10
T18J	Pressure	382.00	420.20
T18K	Collapse	382.00	420.20
T18L	Tension	141.00	155.10
T19H	Insulation R Value	1813.00	1994.30

Fabrics

F28	Comfortmeter	83.00	91.30
F29	Handlemeter	182.00	200.20
T01B	Linear Density from yarns from Woven Fabrics (warp and weft)	207.00	227.70
T01C	Linear Density of Yarns from Knitted Fabrics	207.00	227.70
T06	Mace Snagging	150.00	165.00
T07A	Pilling Resistance - ICI Pill Box Method	122.00	134.20
T07B	Pilling Resistance - Martindale Method	70.00	77.00
T07C	Pilling Resistance - Random Tumble Method	126.00	138.60
T08A	Mass per Unit Area	79.00	86.90
T08B	Fabric Width	53.00	58.30
T09	Threads per Unit Length -(both directions)	79.00	86.90
T10	Fabric Thickness	83.00	91.30
T11A	Breaking Load - Ravelled Strip	131.00	144.10
T11B	Breaking Load – Grab Test	122.00	134.20
T11FA	Breaking Force - Webbing (As Received and After UV Exposure)	1107.00	1217.70
T12B	Stretch and Recovery	191.00	210.10
T13A	Yarn Slippage - standard Seam / Constant Load	155.00	170.50
T13B	Seam Strength	140.00	154.00
T13C	Seam Slippage Resistance	152.00	167.20
T13D	Seam Fatigue	252.00	277.20
T14	Bursting Pressure - Mullen - (Knits and non-woven fabrics)	106.00	116.60
T14B	Bursting Force Ball	131.00	144.10
T15A	Tearing - Wing Rip Method	126.00	138.60
T15C	Tearing - Tongue	139.00	152.90
T15E	Tearing - Elmendorf	123.00	135.30
T20A	Abrasion Test - Martindale Method - up to 30,000 cycles	133.00	146.30
T20AX	- additional charge per 20,000 cycles over 30,000	53.00	58.30
T20B	Abrasion Flex - Stoll	123.00	135.30
T20C	Abrasion Flat - Stoll	123.00	135.30
T20F	Taber Abrasion or Snagging	378.00	415.80
T20FA	Taber Abrasion - Short Term	197.00	216.70
T20W	Abrasion Test- Wyzenbeek (50,000 cycles)	165.00	181.50
T21	Courses and Wales - Knitted Fabric	94.00	103.40
T23B	Dimensional Change - Relaxation	122.00	134.20
T23E	Dimensional Change - Dry Cleaning (laboratory)	369.00	405.90
T23EC	Dry Cleaning - Commercial	78.00	85.80
T24A	Dimensional Change- Machine Washability	110.00	121.00
T24X	Washing - each additional stage	16.00	17.60
T28	Air Permeability	150.00	165.00
T29A	Water Penetration - Cone	85.00	93.50
T29B	Hydrostatic Head	152.00	167.20
T29C	Water Repellency - Spray	122.00	134.20
T29D	Oil Repellency	118.00	129.80

Fibre Tests

F01C	Fibre Diameter - Airflow (Wool Top Sliver)	64.00	70.40
F01L	Fibre Diameter - Laserscan (Wool Top Sliver)	33.00	36.30
F02	Fibre Diameter - Projection Microscope	211.00	232.10
F03	Moisture Regain	78.00	85.80
F05	Fibre Length - Single Fibre Length - Scoured Wool	321.00	353.10
F06	Fibre Length- Almeter Test - Wool Top Sliver	83.00	91.30
F16	Sliver Evenness	116.00	127.60
F18A	Neps in Wool top sliver	88.00	96.80
F18B	Vegetable Matter in Wool top sliver	88.00	96.80
F18C	Dark Fibre in Wool Top - IWTO 24 - not suitable for Open Top	88.00	96.80
F26D	APEO Testing	269.00	295.90

Geotextiles

T08AG	Mass per Unit Area of Fabric (AS 3706.1)	117.00	128.70
T08B	Width of Fabric (AS 2001.2.12)	53.00	58.30
T10	Method of measurement of Textiles Fabrics – Thickness	83.00	91.30
T11BG	Breaking Force and Extension of Textile Fabric (AS 2001.2.3)	163.00	179.30
T11E	Tensile Properties - wide strip method (AS 3706.2)	163.00	179.30
T13B	Seam Strength (AS 3706.6)	140.00	154.00
T14D	Puncture Resistance - drop cone method (AS 3706.5)	178.00	195.80
T14P	Burst Strength - CBR plunger method (AS 3706.4)	149.00	163.90
T15D	Tearing Strength -trapezoidal method (AS 3706.3)	139.00	152.90
T29P	Permittivity (AS 3706.9)	662.00	728.20
T29PS	Pore Size Distribution - dry sieving method (AS 3706.7)	797.00	876.70

Leather

F27	Soluble Chromium	126.00	138.60
T11L	Breaking Force - Leather	122.00	134.20
T15L	Tear Strength	139.00	152.90
T17C	Cigarette Test for Furniture Fabrics	188.00	206.80
T17D	Match Flame Equivalent Test for Upholstery Fabrics	188.00	206.80
T17DC	Crib tests (4 - 7) single mock up crib	442.00	486.20
T17DD	Crib Test (4 - 7) per 2 complete assembled seats	872.00	959.20
T52L1	Velsic Rub Fastness EN ISO 11641 (Dry/Wet)	91.00	100.10
T52L2	Velsic Rub Fastness EN ISO 11640 (Perspiration)	91.00	100.10
T90D	Flex Cracking Resistance	150.00	165.00
T90L	Flexing Endurance	231.00	254.10

Health Care - Woven Fabrics (Polyester/Cotton)

T08A	Mass per Unit Area	79.00	86.90
T11A	Breaking Force	131.00	144.10
T09	Threads per Unit Length	78.00	85.80
T09W	Weave Analysis	78.00	85.80
T35B	Colourfastness to Light	123.00	135.30
T50	Colourfastness to Water	70.00	77.00
T51A	Colourfastness to Perspiration - Acid	69.00	75.90
T51B	Colourfastness to Perspiration - Alkaline	69.00	75.90
T52A	Colourfastness to Rubbing	60.00	66.00
T36	Colourfastness to Washing	79.00	86.90
T24A	Dimensional Change	110.00	121.00
T07BW	Pilling after Wash	112.00	123.20

Health Care - Woven Fabrics (Terry) (AS3789.6)

T08A	Mass per Unit Area	79.00	86.90
T11A	Breaking Force	131.00	144.10
T09	Threads per Unit Length	78.00	85.80
T09P	Pile Ratio	78.00	85.80
T35B	Colourfastness to Light	123.00	135.30
T50	Colourfastness to Water	70.00	77.00
T51A	Colourfastness to Perspiration - Acid	69.00	75.90
T51B	Colourfastness to Perspiration - Alkaline	69.00	75.90
T52A	Colourfastness to Rubbing	60.00	66.00
T36	Colourfastness to Washing	79.00	86.90
T24A	Dimensional Change	110.00	121.00
F20	Fluiding	288.00	316.80

Safety / High Visibility Garments (AS/NZS 4602.1)

T28A	UPF Factor	211.00	232.10
T28F	Fluorescent Colour Measurement	163.00	179.30
T28FD	Fluorescent Colour Measurement Durability	263.00	289.30
T28G	Garment Evaluation	200.00	220.00
T28H	Non Fluorescent Colour Measurement	119.00	130.90
T35B	Colourfastness to Light - MBTF	123.00	135.30
T36	Colourfastness to Washing	79.00	86.90
T51A	Colourfastness to Perspiration - Acid	69.00	75.90
T51B	Colourfastness to Perspiration - Alkaline	69.00	75.90

Retroreflective Materials (AS/NZS 1906.1 / 1906.4)

T26A	CIL at all angles	163.00	179.30
T26B	CIL after UV	268.00	294.80
T26C	CIL after washing	265.00	291.50
T26D	CIL after Abrasion	197.00	216.70
T26E	CIL after Temperature	197.00	216.70
T26F	CIL During Rainfall	197.00	216.70
P025	AS/NZS 1906.4 Class R, all test package	1093.00	1202.30
T26G	Retroreflectance of Horizontal Coatings	252.00	277.20
T26R	Calibration of Reflectometer	971.00	1068.10

Sarking Materials (AS/NZS 4200.1)

T11P	Breaking Force	131.00	144.10
T14B	Bursting Force – Ball Burst	131.00	144.10
T15P	Edge Tear Resistance	139.00	152.90
T18A	Flammability of Materials - AS1530.2	499.00	548.90
T29ES	Water Vapour Transmission	162.00	178.20
T94A	Resistance to Dry Delamination	166.00	182.60
T94B	Resistance to Wet Delamination	166.00	182.60
T94C	Shrinkage	746.00	820.60
T94D	Resistance to Water Penetration	166.00	182.60
T94E	Emittance (per face)	345.00	379.50
T94F	Water Absorbency	166.00	182.60
T94H	Surface Corrosion and Wet Delamination	762.00	838.20

Underlay Tests

T81A	Thickness	54.00	59.40
T81B	Mass per Unit Area	90.00	99.00
T81J	Breaking Load/Extension at Break	119.00	130.90
T81K	Static Loading	90.00	99.00
T81L	Dynamic Loading	90.00	99.00
T81M	Work of Compression	211.00	232.10
P041	Synthetic Underlay Package	677.00	744.70

Yarn

T01A	Linear Density of Yarns from Packages	83.00	91.30
T02A	Twist - Singles	140.00	154.00
T02B	Twist - Folded	104.00	114.40
T03B	Yarn Breaking Load - Instron Method	161.00	177.10
T04	Yarn Unevenness	115.00	126.50

FEES APPLICABLE TO THERMAL TESTING

T19DN	Sweating Guarded Hot Plate - Dry	496.00	545.60
T19WN	Sweating Guarded Hot Plate - Wet	531.00	584.10
T19F	Insulation, R value formed shapes/reflective (AS/NZS 4859.1 / ASTM C518)	748.00	822.80
T19H	Insulation, R value low density fibrous (AS/NZS 4859.1 / ASTM C653)	1813.00	1994.30

FEES APPLICABLE TO WEATHERING / EXPOSURE TESTING

T14G	Gravelometer	300.00	330.00
T35Z	Xenon Arc Weathering (price depends on exposure period) Townsville Exposure		POA
T84	Fogging	311.00	342.10
T87	Hydrogen Sulphide Staining	173.00	190.30
T89A	Oven Ageing - 1 Week	173.00	190.30
T89B	Oven Ageing - 2 Weeks	348.00	382.80
T89C	Oven Ageing - 4 Weeks	695.00	764.50
T89E	Environmental Chamber - Less than 1 week - per day	628.00	690.80
T89Q	Salt Fog - per hour	5.50	6.05

TECHNICAL INVESTIGATIONS AND CONSULTATIONS

Senior Management and/or Expert Witness	464.00	510.40
Management and/or Professional Staff	269.00	295.90
Laboratory Technicians	167.00	183.70

NOTE: Please contact us if your testing requirements are not listed in this document, we are more than happy to discuss these with you.

CONTACT LIST

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