



Requirements for combining Objectively Matched Lots (OML's)

An Objectively Matched Lot (OML) is a type of interlot formed by amalgamating small classed farm lots to make a larger sale lot, based on compatible Yield, Vegetable Matter Base and Micron measurements within the allowed number of bales. The individual IWTO Test Certificates of the farm lots can be combined to produce an AWTA Ltd OML Test Certificate, which displays the average objective measurements for this larger lot based on the smaller lots it contains. They are identifiable by the presence of an "M" suffix within the certificate number.

Wool Brokers and Exporters use OML Test Certificates to:

- Provide an objective basis for the lotting of small classed grower lots pre-sale;
- Allow Brokers to combine certificates for grower lines of the same type as a single test certificate; and
- Provide Exporters with a means to reduce the range of individual component measurements within a larger greasy consignment, in order to comply with trading contracts.

AUSTRALIAN WOOL TESTING AUTHORITY LTD

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A.B.N. 43 006 014 106 **IWTO TEST CERTIFICATE** ORIGINAL

3-08716422-MB AUSTRALIA WOOL COMPANY SYDNEY 25 BALES TEST METHODS IWTO-19,12,31 PAGE 1

REF. FS 31634 OBJECTIVELY MATCHED LOT *CLIFTON / KR *DMFR ND *AAM *MS

BALE NO.	GROSS	TARE	NETT	BALE NO.	GROSS	TARE	NETT
20	191	2	189	28	195	2	193
23	189	2	187	31	193	2	191
25	196	2	194	33	192	2	190
26	180	2	178				

TOTAL BALE WEIGHTS: TEST HOUSE GROSS 4 755 KG TARE 50 KG NETT 4 705 KG GROSS 1 336 TARE 14 NETT 1 322

TEST RESULTS:

TEST RESULTS:	VALUE	UNIT
1. WOOL BASE - 4 SUBSAMPLES	56.24	%
2. MEAN FIBRE DIAMETER - 8 SPECIMENS	21.0	MICRONS
3. COEFFICIENT OF VARIATION OF DIAMETER	19.5	%
4. VEGETABLE MATTER BASE INCLUDING **** % HARD HEADS-TWIGS	0.9	%

CALCULATED COMMERCIAL YIELDS & CLEAN MASSES:

TEST RESULTS:	VALUE	UNIT
5. IWTO SCHLUM DRY T&N YIELD (1.0%TFM)	64.9	%
6. IWTO SCORED YIELD at 17% REGAIN	68.3	%
7. JAPANESE CLEAN SCORED YIELD	66.2	%
8. AUSTRALIAN CARBONISING YIELD	62.4	%

ADDITIONAL INFORMATION:

9. VEGETABLE MATTER COMPOSITION (B) 0.0 (S) 0.9 (H) 0.0

CHARGE: \$ 9.47 GST @ 10% : \$ 0.94 TOTAL CHARGE: \$ 10.41

NOTE - YIELDS = CLEAN WEIGHTS AS % OF NETT ROUNDED TO 1 DECIMAL

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The ORIGINAL and any OFFICIAL COPY of this Certificate are issued in accordance with the stated Test Method(s) and any directly associated Regulations. By authorising the application of the AWTA Ltd Seal, we hereby certify that the test results are within the precision limits of the Test Method declared. As far as is permissible by law, no other warranty is expressed or implied. On request, AWTA Ltd will make available sampling, weighing and/or testing details to any bona fide buyer or transferee of this Certificate. Photocopies and other reproductions are NOT recognised as Certificates. THIS CERTIFICATE SHALL BE RENDERED VOID IF AMENDED OR ALTERED.

*DECLARED: AWTA Ltd does not certify or provide any warranty whatsoever in regard to declared information.

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CLIENT USE ONLY

Figure 1 : An example of an AWTA Ltd Objectively Matched Lot Certificate

Combining individual lots together increases the variation within the overall OML. To ensure the level of variation is contained and remains acceptable to the end user, specific criteria governing the size of the OML and allowed measurement ranges are enforced. These ranges cover the Yield, Vegetable Matter and Mean Fibre Diameter of the component tests, and are different for fleece, skirting or carding wool types. These specifications are documented in the AWEX Code of Practice for the preparation of Australian Wool Clips (see also "Permissible Ranges" heading in this Fact Sheet).

In order to comply with these criteria, AWTA Ltd maintains a database of all wool descriptions used in Australia and each description is assigned to one of the specific wool types used in assembling an OML. When an OML Test Certificate is requested, computer programs check the description of each component lot against this database, and determine if the lots can be included in the same OML.

Business Rules

The following business rules are applied by AWTA Ltd during the calculation and validation of Objectively Matched Lot Test Certificates.

- Where component tests of more than one wool type (fleece, skirting, carding) are to be OML'ed, the narrowest Yield/Micron/VMB ranges are used (eg. if a mixture of Fleece and Skirtings tests, Fleece ranges are applied). If however, one type makes up 80% or more of the total nett weight, the ranges for that type will be used.
- Only Yield/Micron certificates with "P", "I", "F", "M" or "N" suffixes can be used. Classed Bulk-Class Lots ("Q" suffix), Other Bulk-Class Lots ("B" suffix) or Other Grower Lots ("D" suffix) cannot be included in OMLs.
- The total number of bales cannot exceed 30 bales (although "P" OML's can be up to 45 bales)
- OML's of additional Length/Strength and Colour tests can be produced in conjunction with a Yield/Micron OML.
- Calculations must agree with the applicable Yield, Micron and VMB range checks
- OML's cannot be requested using tests comprising a mixture of Mean Fibre Diameter test methods. All components must be measured for MFD by the Laserscan instrument.

GROWER WOOL "P" suffix OML's

Grower lot OML's can be created where the test certificate issues with a "P" suffix as if the component tests were cored and tested together. This will occur provided

- All component tests are from the same growers classed lines (i.e. same Broker, Brand and Description)
- None of the component tests has been sold
- Bale numbers have not been duplicated within the component tests
- The total number of bales does not exceed 45
- All normal OML range checks are satisfied

INTERLOT "N" suffix OML's

OML's will be produced with an "N" suffix on the test certificate where one of the component tests is an interlot (i.e. an "I" suffix on the test certificate). This will occur provided

- One of the component tests is an interlot of no more than four bales and that the interlot consists of single bale sublots.
- The total number of bales does not exceed 30
- All normal OML range checks are satisfied

DARK AND MEDULLATED FIBRE RISK (DMFR) SCHEME AND OML's

The DMFR rating (where available) for each of the component tests is printed on the right hand side of the OML Test Certificate. With Grower "P" OML's, the DMFR data is processed as follows:

- All component tests must have DMFR data declared, otherwise no DMFR value will be created for the OML and "N/A" (not Applicable) or "ND" (Not Declared) will be printed on the certificate
- The component test suffixes can only be "P" or "F"
- Where DMFR data is present the worst risk level will apply to the new "P" OML.

MULESING STATUS (MS) FLAG AND OML's (for implementation 21st July 2008)

The Mulesing Status value (where available) for each of the component tests is printed on the right hand side of the OML certificate. The Mulesing Status data is processed as follows:

- All component tests must have Mulesing Status declared, otherwise a "space" (which implies Mulesed) will be printed on the certificate
- Where Mulesing data is present the worst status level will apply to the new "P" OML.

INCORPORATING DMFR and MS INFORMATION ON IWTO COMBINED CERTIFICATES

Where OMLs are placed into IWTO Combined Certificates, the DMFR rating and Mulesing Status are displayed on the right hand side of the document. The DMFR rating and Mulesing Status of the OML is determined by the worst level of the lots it contains.

Permissible Ranges

As per the Australian Wool Exchange Ltd (AWEX) Code of Practice:

(a) **YIELD (for all Description Types based on Schlumberger Dry T&N Yield)**

Matched Lot Mean	Maximum Component Range
Where the average of the OML is	
73.0% and above	6.0%
60.0% to 72.9%	8.0%
Up to 59.9%	12.0

(b) **VEGETABLE MATTER BASE (VMB%)**

Matched Lot Mean	Maximum Component Range
Where the average of the OML is	
FLEECE	
Up to 0.5%	0.8%
0.6 to 1.0%	1.0%
1.1% to 6.0%	2.0%
6.1% and above	3.0%
SKIRTINGS	
Up to 2.0%	1.5%
2.1 to 6.0%	3.0%
6.1% and above	5.0%
CARDINGS	
Up to 1.0%	1.0%
1.1 to 5.0%	2.0%
5.1% and above	5.0%

(c) **MEAN FIBRE DIAMETER (Micron μ)**

Matched Lot Mean	Maximum Component Range
Where the average of the OML is	
FINE FLEECE	
19.0 micron and finer	0.8 micron
FLEECE	
19.1 to 19.5 micron	1.0 micron
19.6 to 22.0 micron	1.5 micron
22.1 to 32.0 micron	2.0 micron
32.1 micron and coarser	4.0 micron
SKIRTINGS and CARDINGS	
19.0 micron and finer	1.0 micron
19.1 to 22.0 micron	1.5 micron
22.1 to 32.0 micron	2.0 micron
32.1 micron and coarser	4.0 micron

Requesting OML Test Certificates

Service delivery is two days as requests are processed over-night and test certificates posted or delivered the next business day. To create an OML certificate, our Data Processing staff require the following information:

- A six character alpha-numeric reference by which to identify the OML test certificate
- The customers name and AWTA Ltd Account number for debiting of the processing fees
- A list of the component test certificates to be OML'ed and their respective wool base percentages
- The total number of bales to appear on the OML certificate
- An indication if associated Length and Strength and/or Colour certificates are also to be combined.
- Customers should return the original test certificates for the individual lots being OML'ed with their requests. However, an "Electronic Combination Agreement" is available that releases customers from this obligation free of charge. Contact the Data Processing staff at your nearest AWTA Ltd Laboratory for more information on this agreement (see below).

Customers can request Objectively Matched Lot Test Certificates to be produced by AWTA Ltd via:

SAMPLING OFFICERS or POSTAGE

AWTA Ltd provides free of charge pre-printed OML request forms which can be submitted to any Laboratory by post or through AWTA Ltd Sampling officers. Contact your local AWTA Ltd office to ask for copies of the forms. They are also available on our website at http://www.awta.com.au/en/Home/Our_Services/Service-Request-Forms/

FAX or EMAIL

Most commercially available Wool Broking/Exporting software packages have the facility to print OML requests for faxing to AWTA Ltd. Alternatively, customers can print requests on their own company letterhead and fax them the appropriate AWTA Ltd Laboratory. Requests can also be emailed directly to the AWTA Ltd Laboratory. To find out more, contact the Data Processing staff at the nearest AWTA Ltd Laboratory

ELECTRONICALLY using EDI TRANSMISSIONS

Wool Industry EDP Users can submit OML requests directly to AWTA Ltd for processing through the electronic submission of TCR data files. Transmission of these files to AWTA Ltd's central computer results in the automatic creation of the OML test certificate. The new OML certificate information is then available in the customers EDI Mailbox to be downloaded to their own computer systems. The Wool Industry Electronic Data Processing User Group (WIEDPUG) controls the transmission protocols and file formats that govern all EDI services.

ELECTRONICALLY using AWTA Ltd WOOLINK® SERVICE

Our WOOLINK® service is an online information system, which links a client's desktop computer directly to our Central mainframe system via a telephone dialup or internet based VPN connection. It allows subscribers real-time access to a wide range of statistical and marketing data derived from AWTA Ltd testing, and includes the facility for customers to enter, preview and commit requests for OML and Combination test certificates onscreen. The test certificates are created using the same checks and calculations applied to offline requests, then queued for printing and delivery from the Laboratory. To find out more about our WOOLINK® service, contact the Data Processing staff at the nearest AWTA Ltd Laboratory.

FURTHER INFORMATION

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