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- **COMMITTEE EL/15 - Quality and Performance of Household Electrical Appliances**
- **SUBCOMMITTEE EL/15/4 - Dishwashers, Clothes Washers and Dryers**
- **REGISTRANTS OF A CURRENT CLOTHES WASHER ENERGY LABEL**

APPROVED SOILED SWATCH BATCH INFORMATION SWATCH BATCH NORMALISATION PROCEDURE

This Notice is written on behalf of the regulatory authorities administering the Australian and New Zealand electrical appliance energy efficiency labelling schemes. Please be advised that when stocks of AS-9-181 are exhausted, the subsequent batch to be used for all testing for registrations is:

AS-9-187 (Roll A)

This batch is available from the Centre for Testmaterials (CFT), Netherlands. www.cftbv.nl

The tristimulus values for unsoiled batch AS-9-187 measured on 10 layers are given in the table below. An amendment to AS/NZS 2040.1 is being prepared to require that tristimulus readings be taken on the unsoiled cloth samples supplied by CFT with each order, using the same reflectometer that will be used for measuring soiled and washed swatches. Prior to the publication of the amendment, the values below should be used. Any significant differences between measured values and the values below may indicate a problem with a reflectometer and should be reported to the EL-015 projects manager.

	X	Y	Z
A/2	101.24	91.78	31.68
A/10	102.42	91.72	31.38
D65/2	87.03	91.47	96.92
D65/10	86.85	91.34	95.78

CFT has reserved these batches for the exclusive use of laboratories testing machines for the Australian/New Zealand markets. Naturally, laboratories can also purchase other AS-9 batches for research and development testing etc, and are encouraged to do so to help preserve this limited resource.

It should be noted that AS/NZS 2040.1 requires that soil removal results for the swatch batch used for testing be normalised with respect to a reference batch. Prior to 1 March 2003, regulatory authorities allowed results to be submitted without normalisation because calibration procedures were not available. **CALIBRATION PROCEDURES ARE NOW AVAILABLE AND REGULATORS NOW REQUIRE NORMALISATION OF SOIL REMOVAL RESULTS IN ACCORDANCE WITH AS/NZS 2040.1, FOR ALL APPLICATIONS FOR REGISTRATION FOR ENERGY LABELLING HOUSEHOLD CLOTHES WASHING MACHINES.**

Swatch normalisation information can be found on <http://www.energyrating.gov.au/> under the heading Australian Standards, Supplementary Standards Data.

The Standards are being amended to require the following information to be added to the test report and label registration application form:

- swatch batch number and calibration details (normalised reference curve number);
- detergent manufacturer, manufacturing date and batch number (if stated); and
- reflectometer details (category, illuminant, standard observer angle, aperture size, optical geometry and tristimulus setting).

THE ABOVE INFORMATION IS TO BE INCLUDED IN THE TEST REPORT AND APPLICATION FOR REGISTRATION FORM.

Any queries regarding specifics of the energy efficiency labelling scheme should be directed to the applicable regulatory authority, contact details are available on <http://www.energyrating.gov.au/>.

Yours sincerely,

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