To dishwasher suppliers, washing machine suppliers, Singapore Sanitary Ware Importers & Exporters’ Association (SSWIEA), test laboratories and SAC-accredited Certification Bodies for WELS.

Dear Sir/Madam

MANDATORY WELS EXTENDED TO DISHWASHERS INTENDED FOR HOUSEHOLD USE EFFECTIVE FROM 1 OCT 2018
-WATER EFFICIENCY RATING REQUIREMENTS
-STIPULATED STANDARDS AND REQUIREMENTS FOR DISHWASHERS

We would like to remind you that with effect from 1 Oct 2018, the Mandatory Water Efficiency Labelling Scheme (MWELS) will be extended to include dishwashers intended for household use. All dishwashers to be offered, displayed or advertised for sale and supply in Singapore shall be affixed with the water efficiency label, which will be rated with 1-tick, 2-tick, 3-tick or 4-tick, with 4-ticks being the most water efficient. The water efficiency ratings requirements are as given in Table below.

<table>
<thead>
<tr>
<th>Water Efficiency Rating Requirements</th>
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<tbody>
<tr>
<td>WELS Rating</td>
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<tr>
<td>Water Efficiency Range in Litres Per Place Setting</td>
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</table>

2 For water efficiency, the dishwashers shall be tested for compliance in accordance with:

i. Clause 8.2 of BS EN 50242: 2016 / BS EN 60436: 2016; or
ii. Clause 8.2 of IEC 60436: 2015

on water consumption test only which will be used to determine the water efficiency. The water consumption is to be measured using the wash programme or other associated settings recommended in the manufacturer’s product literature for normally soiled tableware at rated dishwasher capacity, and the following are not required as a test condition:
(a) the use of a reference dishwasher for normalisation of base load items;
(b) the parallel operation of a reference dishwasher with the tested dishwasher;
(c) the use of a specific inlet water temperature, water hardness, water pressure, ambient temperature or humidity;
(d) the use of soiling agents;
(e) the use of detergent, rinse agent or salt;
(f) the use of an electric supply at a specific voltage;
(g) the use of regeneration operations; and
(h) the preparation and application of soiling agents.

The dishwasher is deemed to be compliant only if it is tested by a test laboratory accredited by the Singapore Accreditation Council (SAC) or its Mutual Recognition Arrangement (MRA) partners.

3 For registration and certification of dishwashers under MWELS, we will update you in future when the details have been firmed up.

4 The industry will be informed of the amendments to the Public Utilities (Water Supply) Regulations to give effect on the implementations mentioned in paragraph 2, and anyone found not complying with this requirement shall be guilty of an offence and be liable for prosecution. Please help to disseminate to share the information in this circular with your relevant staff, distributors, retailers and other industry partners. For more information and a copy of this circular, please visit our WELS website at www.pub.gov.sg/wels.

5 If you have any queries concerning this circular or need further clarification or assistance, please do not hesitate to contact any of the following PUB officers listed below.

<table>
<thead>
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</tbody>
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Yours faithfully

[Signature]

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