

Your Ref :

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To water fitting suppliers, test laboratories, Singapore Sanitary Ware Importers & Exporters' Association (SSWIEA), Singapore Plumbing Society (SPS), Licensed Plumbers, Professional Engineers and relevant government agencies and associations.

Dear Sir/Madam

UPDATED STIPULATED STANDARDS & REQUIREMENTS FOR METALLIC MATERIALS IN CONTACT WITH WATER FOR SUPPLY TO WATER SERVICE INSTALLATIONS

This circular is to inform all suppliers, test laboratories, certification bodies for WELS, professional engineers and licensed plumbers on the updated stipulated standards and requirements for metallic materials in contact with water.

2. Currently, under the PUB Stipulation of Standards & Requirements of Water Fittings (PUB S&R), all metallic materials in contact with water shall be tested to comply with the following stipulations:

"All metallic materials in contact with water shall comply with the test on "Extraction of Metals - Appendix H" of AS/NZS 4020 : 2005. The maximum allowable concentrations of metals listed in Table 2 of AS/NZS 4020:2005 shall not exceed the limits specified by the World Health Organisation (WHO) Guidelines for Drinking Water Quality.

Please also see PUB's circular of 4 Aug 2020 on "Stipulation of Standards for Metallic Materials in Contact with Water" to encourage suppliers to test their new water fittings to AS/NZS 4020:2018 Appendix downloadable from PUB's Fittings & Standards webpage at <https://www.pub.gov.sg/compliance/watersupplyservices/standards>"

3. AS/NZS 4020:2005 has been superseded by AS/NZS 4020:2018. We would like to inform you on that PUB will be adopting the latest version of this standard, replacing the current stipulation. The implementation details are as follows:

- a) **With effect from 1 Sep 2023**, all new metallic materials in contact with water shall be tested for compliance with AS/NZS 4020:2018 Appendix H on Extraction of Metals. The maximum allowable concentrations of metals listed in Table 2 shall not exceed the limits specified in AS/NZS 4020:2018.
- b) **With effect from 1 Sep 2023 (based on date of test reports)**, only new metallic materials in contact with water which have been tested to comply with AS/NZS 4020:2018 Appendix H on Extraction of metals shall be allowed for supply in Singapore. The maximum allowable concentrations of metals listed in Table 2 shall not exceed the limits specified in AS/NZS 4020:2018.

- c) Existing water fittings/materials which have been tested comply with Appendix H of AS/NZS 4020:2005 or AS/NZS 4020:2018 **prior to 1 Sep 2023 (based on date of test reports)** can continue to be supplied in Singapore.

4. For avoidance of doubt, a water fitting shall be deemed to comply with the stipulated standards if it is tested by a testing laboratory accredited by the Singapore Accreditation Council (SAC) or its Mutual Recognition Arrangement (MRA) partners. Test reports issued by a testing laboratory accredited by the SAC or its MRA partners must bear the SAC-SINGLAS mark or the mark of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC-MRA) respectively.

5. A copy of this circular can also be downloaded from PUB's website at www.pub.gov.sg. Please disseminate this circular to your relevant staff, members, distributors, retailers and other industry partners for their information and compliance. If you have any queries concerning this circular or need further clarification or assistance, please do not hesitate to email to pub_waterfittings@pub.gov.sg

6. Please email to pub_waterfittings@pub.gov.sg if you have any clarifications. Please indicate PUB's Circular Reference No. and the date in your email enquiry.

Yours faithfully



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for DIRECTOR
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