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Project/archive no. 3B038392	Date 06.12.2012	Rev. date	No. of pages 11	Appendixes 3	Classification Restricted	Author(s) Geir Lippe Stavnes
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Assignment Report

Testing of thermostatic mixers type You Jie from Ningbo You Jie Co. Ltd. Test method NS-EN 1111.


Sanitary laboratory

The test results are valid exclusively for the tested objects.

Summary			
<p>SINTEF Building and Infrastructure has, on behalf of Ningbo You Jie co. Ltd., carried out testing of thermostatic showermixers, type You Jie 811 and You Jie 1011.</p> <p>The tests have been carried out in accordance with NS-EN 1111:1999 "Sanitary tapware - Thermostatic mixing valves (PN 10) - General technical specifications".</p> <p>Determination of lead and cadmium has been carried out in accordance with NKB 4 "Product rules for sanitary taps for hot and cold water supply", Clause 3.3.2.</p> <p>Result: Passed</p>			
Address of the building			Built (year)
	Method NS-EN 1111	Keywords Thermostatic mixer	Filename 3B038392 Ultrajet EN 1111

1. INTRODUCTION

SINTEF Building and Infrastructure has, on behalf of Ningbo You Jie co. Ltd., carried out testing of thermostatic shower mixers, type You Jie 811 and You Jie 1011.

The tests in accordance with NS-EN 1111 were conducted by Monica Malmedal and Geir Lippe Stavnes. The analyses of Pb and Cd were performed by Eurofins according to NS-EN ISO 11885. Eurofins is accredited for this method.

2. TEST METHOD

The tests have been carried out in accordance with NS-EN 1111:1999 "Sanitary tapware - Thermostatic mixing valves (PN 10) - General technical specifications". See Table 4.1 for conducted tests.

Determination of lead and cadmium has been carried out in accordance with NKB 4 "Product rules for sanitary taps for hot and cold water supply", Clause 3.3.2.

3. TEST OBJECT

The test objects are thermostatic mixers, type You Jie 811 and You Jie 1011, see Fig. 3.1-3.2. The difference between the mixers is the number of outlets from the diverter. The mixers are manufactured by Ningbo You Jie Co. Ltd. for Ultrajet.

The mixers were delivered by post 19.9.2011 and 25.11.2011; they were in good condition on arrival.

Table 3.1: Controlled mixers

Mixer	Number	Figure
You Jie 811	3	3.1-3.2 (top)
You Jie 1011	3	3.1-3.2 (bottom)

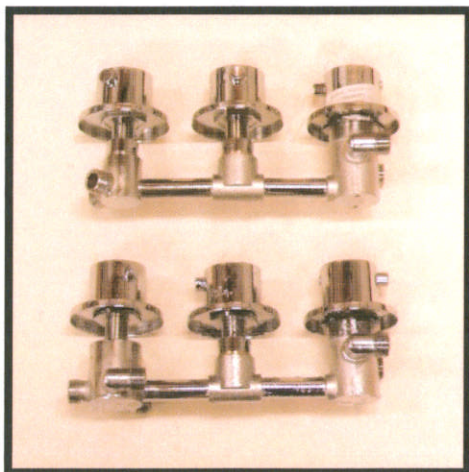


Figure 3.1: You Jie 811 (top) and You Jie 1011 (bottom)

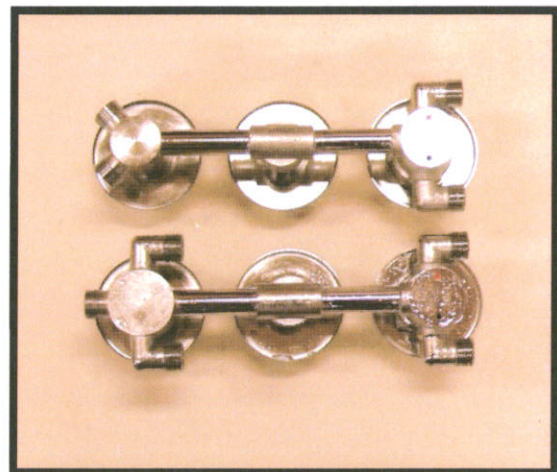


Figure 3.2: You Jie 811 (top) and You Jie 1011 (bottom)