



INSTITUTE FOR TESTING AND CERTIFICATION

trida Tomase Bati 299, Louky, 763 02 Zlin, Czech Republic

Division CSI - Centre of Civil Engineering



FINAL REPORT

No. 313501084 / 2021

Product: **WC and urinal flushing cisterns
(Class 1, Class 2, Class 3)**

Types: **Types are given in the Annex to Certificate**

Applicant: **HSIL Limited**
Unit No. 301-302, 3rd Floor, Park Centra, Sector-30, NH-8,
Gurgaon, 122001, Haryana, India

Manufacturer: **HSIL Limited**
Unit No. 301-302, 3rd Floor, Park Centra, Sector-30, NH-8,
Gurgaon, 122001, Haryana, India

Assessed by: **Josef Vaněk**

Date of issue: **14. 06. 2021**



Ing. Vlastimil Kučera, Ph.D.
Director of Division CSI



Introduction

The purpose of this Assessment of Conformity (hereafter "AoC") is to demonstrate the product conformity with the requirements of relevant technical specifications and to facilitate the access of the certified products to the EU market.

The applicant has asked for an independent product certification by a 'third party' – Institute for Testing and Certification (hereafter "ITC"). This Final Report has been compiled as a result of application No. 313501084 lodged to the ITC on 03.03.2021.

The applicant is the:

- ☒ Manufacturer
☐ Authorized representative of the manufacturer
☐ Importer of the assessed product

This is a voluntary certification of the conformity of the product (description given in Chapter 1) with the requirements of technical specifications in Clause 2.1. This assessment does not mean or replace the conformity assessment (certification) according to Czech Act No 22/1997 on technical requirements for products.

Declaration of ITC employees involved in the conformity assessment:

The employees undertake to maintain the confidentiality of all information obtained during the process of the assessment. They declare that they have not been involved in any consulting and/or training activities related to the manufacturer's / applicant's management system during the last two years, have not carried out internal audits of the manufacturer / applicant, and have no significant links with them (ie: financial, business, kinship, ownership, or similar relationships).

1. Product identification

- Product name: **WC and urinal flushing cisterns (Class 1, Class 2, Class 3)**
- Product description: WC and urinal flushing cisterns with flushing mechanism, inlet valve and overflow. Flushing cisterns are designed to be connected to drinking water installations inside buildings. The product does not include automatic valveless siphon flushing cisterns for flushing urinals.
- Products may be classified in Class 1 or Class 2 or Class 3 according to Chapter 4 of the standard EN 14055:2010.
- Types: Types are given in the Annex to Certificate
- Manufacturing sites: - Delhi Rohtak Road, Distt. Jhajjar, Bahadurgarh, 124507, Haryana
- Somanyapuram, Brahmanapally Village, Bibinagar, Distt. Nalgonda, Telangana, 508126

2. Product conformity to technical specifications

2.1. Applicable technical specifications

The assessment of conformity has been carried out according to the following technical specifications (ie: EU regulations, national regulations, technical standards, etc):

Table No. 1 – Technical specifications applied for the AoC

#	Specification indication	Specification name
1.	EN 14055:2010, within the scope of Table ZA.1, Table ZA.2, Table ZA.3	WC and urinal flushing cisterns, Annex ZA

Table No. 2 – Technical specifications applied for testing – Class 1 products

#	Specification indication	Assessed characteristic(s)
1.	EN 14055:2010, Table ZA.1	Watertightness/leaktightness - 5.2.8 <i>Outlet valve leaktightness</i>
2.	EN 14055:2010, Table ZA.1	Outlet valve reliability - 5.2.9 <i>Outlet valve reliability</i>
3.	EN 14055:2010, Table ZA.1	Noise level - 8 <i>Acoustic characteristics</i>
4.	EN 14055:2010, Table ZA.1	Flushing volume - 5.2.1 <i>Flush volume</i>
5.	EN 14055:2010, Table ZA.1	Durability - 5.2.11 <i>Durability</i>

Table No. 3 – Technical specifications applied for testing – Class 2 products

#	Specification indication	Assessed characteristic(s)
1.	EN 14055:2010, Table ZA.2	Watertightness/leaktightness - 6.7 <i>Physical endurance and leakage of flushing device</i>
2.	EN 14055:2010, Table ZA.2	Outlet valve reliability - 6.7 <i>Physical endurance and leakage of flushing device</i>
3.	EN 14055:2010, Table ZA.2	Noise level - 8 <i>Acoustic characteristics</i>
4.	EN 14055:2010, Table ZA.2	Flushing volume - 6.5 <i>Flush volume</i>
5.	EN 14055:2010, Table ZA.2	Durability - 6.9 <i>Durability</i>

Table No. 4 – Technical specifications applied for testing – Class 3 products

#	Specification indication	Assessed characteristic(s)
1.	EN 14055:2010, Table ZA.3	Watertightness/leaktightness - 5.2.8 <i>Outlet valve leaktightness</i>
2.	EN 14055:2010, Table ZA.3	Outlet valve reliability - 5.2.9 <i>Outlet valve reliability</i>
3.	EN 14055:2010, Table ZA.3	Noise level - 8 <i>Acoustic characteristics</i>
4.	EN 14055:2010, Table ZA.3	Flushing volume - 5.2.1 <i>Flush volume</i> - 7.2 <i>Adjustment</i>
5.	EN 14055:2010, Table ZA.3	Durability - 5.2.11 <i>Durability</i>



2.2. Chosen AoC scheme

The certified products are subject to an AoC carried out by the manufacturer under his sole responsibility.

This AoC has been, nevertheless, carried out by an independent 'third party'. ITC has applied the certification scheme CZ-ITC 1a (according to Scheme 1a of EN ISO/IEC 17067:2013). This scheme is based on testing.

The certificate of conformity is issued for the type of product (ie: for the sample tested) and the necessary characteristics are detailed in the Certificate of Conformity or document to which the certificate refers. This Certificate of Conformity does not cover any subsequently produced items.

The manufacturer himself is fully responsible for the conformity of all downstream production of the certified product(s) with the requirements mentioned in the Certificate.

2.3. Sampling

- ☐ No special samples taken – the samples taken for Order No have been used
- ☐ No special samples taken – ITC has carried out the assessment in the location of product use
- ☒ The samples have been taken by the applicant; model No. 21001 Cistern 10 Ltr., and model No. 92128 Cistern Gracia
- ☐ The samples have been taken by ITC from the manufacturing plant
- ☐ The samples have been taken by ITC from the market

2.4. Testing – place and date

Testing according to the requirements of technical specifications has been carried out in the following laboratories:

- HSIL Limited testing laboratory in Bahadurgarh (in the period 01-03/2021)

2.5. Test results

The test results are given in the following test reports:

- Initial type test report issued on 02.04.2021, for model No. 21001 Cistern 10 Ltr., tested by: Jitender Shekhawat, approved by: Kedarnath Jha
- Initial type test report issued on 02.04.2021, for model No. 92128 Cistern Gracia, tested by: Jitender Shekhawat, approved by: Kedarnath Jha

2.6. Assessment of the product conformity

The results presented in the test reports, as listed in Clause 2.5 of this Report, prove that the properties of the assessed product (given in Clause 1.) meet the requirements of the technical specifications listed in Clause 2.1 to the extent specified in Clause 4.

2.7. Instructions for use and marking

The language versions of the instructions for use, markings and warnings must comply with the national requirements of the countries of destination, to whose markets the product will be delivered.

3. Supervision of the production process

Not applied – Certification Scheme CZ-ITC 1a does not include any supervision of the production process.

4. Conclusions

The assessment was carried out on the basis of the documentation submitted by the applicant, the test results, the technical file of the product and according to the requirements of the technical specifications mentioned in Clause 2.1. of this Final Report.

The applicant is fully responsible for ensuring the conformity of production to the certified type.



The manufacturer is obliged to implement all necessary measures in the production process to guarantee the conformity of all products with the requirements of the technical specifications listed in Clause 2.1.

Consequently to the AoC, the team of assessors states that:

- ☒ **The conformity with the requirements of the technical specifications listed in Clause 2.1 has been met in the full range of requirements, and recommends issuing of the Certificate of Conformity.**
- ☐ The conformity with the requirements of the technical specifications listed in Clause 2.1 has been met in a limited extent (excluding:), and recommends issuing of the Certificate of Conformity within the scope of the assessment performed.
- ☐ The conformity with the requirements of the technical specifications listed in Clause 2.1 has not been met in the full range of requirements, and therefore does not recommend issuing of the Certificate of Conformity.

5. List of documents used during the AoC

- a) Application for product certification No. 313501084, dated 02.03.2021
- b) Conformity Assessment Contract No. 313501084
- c) EN 14055:2010 WC and urinal flushing cisterns
- d) Test Reports listed in Clause 2.5. of this Final report
- e) Technical documentation of the manufacturer HSIL Limited

Without a written consent of the ITC representative, this Final Report may only be reproduced in its entirety.

© Copyright:

INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.
(Institute for testing and certification)
trida Tomase Bati 299, Louky, 763 02 Zlín, Czech Republic



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.
(Institute for testing and certification)
trida Tomase Bati 299, Louky, 763 02 Zlín, Czech Republic
Division CSI – Centre of Civil Engineering



CERTIFICATE

No. 21 0253 T/ITC

confirms that the product:

WC and urinal flushing cisterns (Class 1, Class 2, Class 3)

Types are given in the Annex to Certificate

manufactured by the company:

HSIL Limited

**Unit No. 301-302, 3rd Floor, Park Centra, Sector-30, NH-8,
Gurgaon, 122001, Haryana, India**

from manufacturing sites:

- Delhi Rohtak Road, Distt. Jhajjar, Bahadurgarh, 124507, Haryana
- Somanyapuram, Brahmanapally Village, Bibinagar, Distt. Nalgonda, Telangana, 508126

meets requirements of the following technical specifications:

EN 14055:2010 WC and urinal flushing cisterns, Table ZA.1, Table ZA.2, Table ZA.3

Institute for testing and certification, a.s. has successfully applied Certification Scheme CZ-ITC 1a, v_9_2020 and requirements of the technical specifications above.

The Certificate has been issued based on the product description, the related documentation and results of the evaluation as stated in the Final Report No. 313501084/2021.

Terms of use of the certificate and related information:

1. The certificate relates only to the above referenced model(s) of the product.
2. It does not imply that Institute for testing and certification, a.s. has performed any surveillance or control of the manufacturing process.
3. It is the responsibility of the certificate holder to ensure the conformity of all products of the model with the type assessed through this certificate.
4. The certificate remains valid until the manufacturing conditions or requirements of the relevant documents are changed, but no longer than to the date of validity.
5. The certificate holder shall inform Institute for testing and certification, a.s. about all essential changes in the production or materials of the certified product(s) which might affect the product conformity.
6. This Certificate includes annex, which is an integral part of it and must not be used on its own.
7. The certificate holder shall follow the Rules for Certificate Use accessible at: www.itczlin.cz



Date of issue: 14-06-2021
Valid until: 13-06-2024

Ing. Vlastimil Kučera, Ph.D.
Director of Division CSI

The validity of the certificate can be verified at: www.itczlin.cz



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.
(Institute for testing and certification)
trida Tomase Bati 299, Louky, 763 02 Zlin, Czech Republic
Division CSI – Centre of Civil Engineering



ANNEX TO CERTIFICATE

No. 21 0253 T/ITC

Issued for products:

WC and urinal flushing cisterns (Class 1, Class 2, Class 3)

Table 1: The list of products and their specifications

Material Code	Material Description	Class
2100100	Cistern 10 LTR.	Class-1
2102800	Cist with Lid "STUDIO"	Class-2
2102900	Cist with Lid "DUAL FLUSH" 6/3Lt-S	Class-2
2103050	Cist with Lid "ABIGAIL" 46x17x36-S	Class-2
2103200	Cist with Lid "CRYSTAL"	Class-2
2103300	Cist with Lid (50mm) "CLEO" 220- S	Class-2
2103800	Cist with Lid "CONST" Dual Flush-S	Class-2
2104500	Cist with Lid "PLUTO / TROJAN"- S.	Class-2
2105100	Cist with Lid "TANGO"	Class-2
2105200	Cist with Lid "MARIO"	Class-2
2105400	Cistern with Lid ALPHA	Class-2
2105500	Cist with Lid "ARIEL"	Class-2
2105600	Cistern with Lid "ETIOS"-	Class-2
9210600	Cistern with Lid CLIPPER	Class-2
9212130	Cist with Lid "CORNICIE"-S.White (F	Class-2
9212200	Cistern with Lid FLORENCE	Class-2
9212700	Cistern with Lid OASIS	Class-2
9212830	Cist with Lid "GRACIA" (F	Class-2
9213030	Cistern with Lid "ENIGMA" -	Class-2
9213230	Cistern with Lid COSMOS	Class-2
9213130	Cistern with Lid Sterling	Class-2
2105530	Cist Shell "MAGNA"-	Class-2
6100200	Auto Cistern	Class-3

Annex, page 1 from 1

Date of issue: 14-06-2021
Valid until: 13-06-2024




Ing. Vlastimil Kučera, Ph.D.
Director of Division CSI

Annex is an integral part of this Certificate and must not be used on its own.