



## SWEDISH TYPE APPROVAL 1461

WITH DECISION ON PRODUCTION CONTROL

**KEYWORD:** Tap Water

**Holder:** Oras Ltd

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### Product:

#### Oras Optima - Single Lever Mixers

Single lever mixer in brass (EN 817) equipped with or without pop up waste. The mixers are fitted with type approved flexible hoses or pipe connection.

Model designations are shown in Appendix 1 to this type approval

### Intended use

Single lever mixer for hot and cold tap water.

### Approval

Products made and installed according to related documents are approved with respect to the following sections of the Swedish Building Regulations (BBR):

Building products with assessed properties	1:4
Tap water installations, 1 <sup>st</sup> sentence and 2 <sup>nd</sup> paragraph	6:62*
Tap water flow, 1 <sup>st</sup> sentence	6:623
Design, 1 <sup>st</sup> and 4 <sup>th</sup> paragraph	6:625

\*The products meet the requirements of the BFS 2014: 3

For the intended use the products meets the following requirements of PBL, regulations governing the technical properties of materials, products etc. used in construction works Chapter 8 Section 4 about the technical characteristics of buildings and constructions.

3. Protection with regard to hygiene, health and environment
4. Safety in use

Appendix 1: Associated documents	14/03/2018
Appendix 2: Product marking	14/03/2018
Appendix 3: Control	14/03/2018
Appendix 4: Basis for approval	14/03/2018

CERTIFICATE

**Kiwa Sverige AB**  
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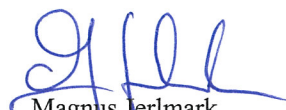
Akcred. nr. 1913  
Produktcertifiering  
ISO/IEC 17065

Date of decision: 14/03/2018

Ref. no: 1311/17

Valid until: 13/03/2023

**Kiwa Sverige AB**

  
Magnus Jerlmark  
Technical manager

  
Johnny Ostenfeldt  
Project leader

**Appendix 1**  
**Type Approval no. 1461**  
**Product: Oras Optima Single lever mixers**  
**Holder: Oras Ltd**

**Associated documents 14/03/2018 2018**

Oras Optima - "Installation- and maintenance guide", issue 943235-01-17

**Overview approved products:**



Artikel nr	Variant	Beskrivning
2700F	*2710F	Basin mixer with pop-up waste *Basin mixer without pop-up waste
2700FG	*2710FG	Basin mixer with pop-up waste, Eco-button *Basin mixer without pop-up waste, Eco-button
2702F	*2712F	Basin mixer with pop-up waste, Bidetta handshower *Basin mixer without pop-up waste, Bidetta handshower
2702FG	*2712FG	Basin mixer with pop-up waste, Bidetta handshower, Eco-button *Basin mixer without pop-up waste, Bidetta handshower, Eco-button
2733F	-	Kitchen mixer with swivel spout
2733FG	-	Kitchen mixer with swivel spout, Eco-button

\*F= flexible connection

**Appendix 2**  
**Type Approval no. 1461**  
**Product: Oras Optima Single lever mixers**  
**Holder: Oras Ltd**

**PRODUCT MARKNING 14/03/2018**

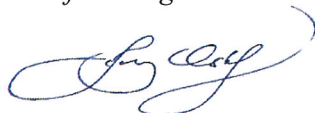
The product shall be durably marked with following information:

1. Holder: Oras Ltd
2. Type- or product name with article number
3. Place of manufacture: OLE, KRA
4. Traceability: Manufacturing year, month or otherwise traceable to manufacture
5. Information about requirements or class – if applicable
6. Kiwa Sverige  Type Approval no. 1461 and the logo of Boverket: 
7. Accreditation number: 1913
8. Appointed Inspection Body: Kiwa Sverige

A Statement of Manufacture 17 § i Typ 7 shall be available:

Statement of manufacture:

*The manufacture of this product has been done according the Type Approval with decision on manufacturing control and the documentation forming basis of decision for the Type Approval.*



**Appendix 3**  
**Type Approval no 1461**  
**Product: Oras Optima Single lever mixers**  
**Holder: Oras Ltd**

**CONTROL 14/03/2018**

The manufacturing control must be conducted to the extent as described in Instruction for Control dated 14/03/2018.

**Annual reporting:**

The validity of the Type Approval requires that manufacturing control is executed according the Instruction for Control as well as the Holder shall fulfil the annual requirement supervisory control. The Holder shall report to Kiwa Sverige about completed annual supervisory control

**Building control:**

Building control shall executed by identification of the correct product as well as control that the product has been correctly installed by a professional.

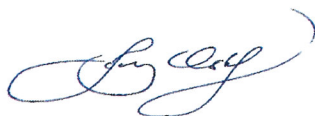
**Appendix 4**  
**Type Approval no 1461**  
**Product: Oras Optima Single lever mixers**  
**Holder: Oras Ltd**

**BASIS OF DECISION 14/03/2018**

Type Approval is based on following:

- Test report no. VTT-S-09069-13
- Control agreement no. 1168/2017

Evaluation report no 1311/17 dated 2014/2018 – may include the above

A handwritten signature in blue ink, appearing to read 'Johnny Ostfeldt'.