

# CERTIFICATE OF TEST

Certificate no.:  
C848345-IPA-KOR-DNV

Rev.:  
0

Project no.:  
PRJN-1141637

This statement consists of 2 pages

This is to certify that the product(s) manufactured by:

## **JEONGDO Machinery Co., Ltd.**

121, Hwanggeum 2-ro, Yangchon-eup, Gimpo-si, Gyeonggi-do, 10047, Republic of Korea

have on a voluntary basis been assessed with respect to the type tested described in:

### **ISO 15848-1:2015/AMD 1:2017**

and found to comply with the relevant requirements:

#### **ISO FE AH – CO3 – SSA 1 – t200°C – CL150 – ISO 15848-1**

Tightness class	<b>AH</b>
Endurance class	<b>CO3 (2,500 mechanical cycles)</b>
Temperature class	<b>200°C to Room Temperature</b>
Stem seal adjustment	<b>SSA 1</b>

The certificate is valid for the following products:

Product name	<b>Butterfly valves</b>
Product type	<b>PH series</b>
Stem sealing	<b>Graphite</b>
Body gasket	<b>Graphite</b>

Further details of the product(s) and conditions for certification are given overleaf.

Place and date:  
**Seoul, 2026-03-26**

*This statement is valid until: 2031-03-25*



For the issuing office:  
**DNV Business Assurance Korea**



**Jang Sup Lee**  
Management Representative



Certificate No.: C848345-IPA-KOR-DNV  
Place and date: Seoul, 2026-04-07  
Revision No.: 0.0

#### Certificate history:

Revision	Description	Issued date
0.0	Original certificate	2026-04-07

#### Products covered by:

Product name	Product type	Stem sealing	Body gasket
Butterfly Valve	PH series	Graphite	Graphite

#### Products qualified by:

Stem Diameter	Pressure class	Temperature class	Tightness class	Endurance
14.0 - 56.0mm	ASME Class 150	200°C to Room Temperature	AH and equal to or less than AH	CO3

#### Selected sample for type test:

Product name	Product type	Valve Size DN or NPS	Valve Pressure PN or Class	Stem diameter (mm)
Butterfly Valve	PH series	NPS 8"	ASME 150	28.0

#### Technical documents covered by this certificate

Document(s) name	Applied standard(s)	Test carried out
Test report doc. no. LT26001	ISO 15848-1:2015/AMD 1:2017	JEONGDO Machinery Co., Ltd.

The test was carried out the selected sample of product by witnessing testing at a manufacturer, JEONGDO Machinery's facilities under the supervision of DNV representative.

#### Terms and conditions

- The product design review & performance are not covered under this certificate.
- The following may render this Certificate invalid:  
Changes in the design or construction of the product(s)

#### Conformity declaration and marking of product

In order to fully meet with the requirements of the applying standard, the manufacturer must take all measures necessary to ensure that the manufactured product comply with the technical documentation and with the requirements of the standard.

END OF CERTIFICATE