

## CERTIFICATE

No. 30350001E/SNS/09.06.17



In accordance with the Specification API 6FB  
(dated December 2008) the gasket

**K# KINS-HAFS**  
**4" Class 300**

of the gasket manufacturer

**Kukil Inntot Co., Ltd.**  
**17 Tapgeol-gil,**  
**KOR - 689-871 Ulsan**

was tested in respect of fire safety. The test was made under the following conditions:

Total bolt load:	617.8	kN
Burn period:	30	min
Average temperature calorimeters:	> 650	°C
Test pressure (absolute):	39	bar
Test medium:	Water	
Leak rate:	0.04	ml/(inch · min)

After the burn period the connection was air cooled to a flange temperature below 100 °C. During the cool-down the connection was still pressurized with the test pressure.

Therefore the gasket is in compliance with the tightness criteria of **1 ml/(inch · min)** of API 6FB during burn period and cool-down. The gasket manufacturer can mark the gasket as 'FIRE-SAFE' in accordance to the specification API 6FB.

This certificate is only valid in combination with the test report 303 500 1/-.

Lauffen, 09.06.2017

amtec Services GmbH

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