

CERTIFICATE

No. 21/LBMU/30.09.2016

**Laboratory
of Sealing Materials
SPETECH Sp. z o.o.**

LB - 124/02

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210/A13/5952

The flat gaskets:

SPETOBAR® BAS 340 thickness 3 mm

of the manufacturer:

C.S.U.T SPETECH Sp. z o.o.**43-382 Bielsko-Biała, ul. Szyprów 17, Poland**

geometry:	92,0/48,9/3,0	mm/mm/mm
initial gasket stress:	30,2	MPa
temperature of exposure:	200	°C
period of exposure:	48	h
remaining gasket stress:	3,8	MPa
test pressure (absolute):	1 / 40	bar
period of leakage measurement:	24	h
test medium:	helium	

The leak rates at the end of the period of the leakage measurement were:

1 bar test pressure:	$8,51 \cdot 10^{-9}$ mbar·l/(m·s)
40 bar test pressure:	$3,46 \cdot 10^{-7}$ mbar·l/(m·s)

The requirement of VDI 2440 is, in test temperature and 1 bar pressure, the leakage must be less than $1 \cdot 10^{-4}$ mbar·l/(m·s). Therefore the gaskets fulfill that criteria and can be used in flange connections as a high-grade TA-Luft seals.

This certificate is valid only with the test report No. TALG/30092016/405/LBMU

Bielsko-Biała, September 30th, 2016

M.Sc.Eng. Janusz Zajączek

