

# CERTIFICATE

No. 17/LBMU/26.10.2015

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

The flat gaskets:

**SPETOSPIR® S PTFE 3,2mm (CD face type)**  
(spiral wound)

LB - 124/02

of the manufacturer:

**C.S.U.T SPETECH Sp. z o.o.****43-382 Bielsko-Biala, ul. Szyprów 17, Poland**www.tuv.com  
210/A13/5952

geometry:	74,9/61,1/3,49	mm/mm/mm
initial gasket stress:	84,5	MPa
temperature of exposure:	150	°C
period of exposure:	48	h
remaining gasket stress:	50,1	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:

<b>1 bar test pressure:</b>	<b><math>1,16 \cdot 10^{-6}</math> mbar·l/(m·s)</b>
<b>40 bar test pressure:</b>	<b><math>9,77 \cdot 10^{-5}</math> mbar·l/(m·s)</b>

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/26102015/17/LBMU

Bielsko-Biala, October 26<sup>th</sup>, 2015

M.Sc.Eng. Janusz Zajęczek