CERTIFICATE SPETECH Sp. z o.o.

No. 05/LBMU/16.04.2014

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

SPETECH

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The packing set:

SPETOPAK® WGR-TA 10

consisting of 3 packing rings, 4 graphite rings and 6 steel foils

of the manufacturer:

C.S.U.T SPETECH Sp. z o.o.

43-382 Bielsko-Biała, ul. Szyprów 17, Poland





were verified in accordance with the VDI 2440:2000 the compliance with the tightness criteria. The test was performed under the following conditions:

geometry:	40/60/60	mm/mm/mm
predeformation:	50	MPa
initial packing set stress:	40	MPa
temperature of exposure:	400	°C
absolute test pressure:	40	bar
test medium:	helium	
number of stem cycles:	1000	
stroke:	40	mm
period of leakage measurement:	24	h

The leak rate at the end of the period of the leakage measurement was:

5,0·10⁻⁵ mbar·l/(m·s)

The requirement of VDI 2440 is, in test temperature, the leakage must be less than $1 \cdot 10^{-2}$ mbar·l/(m·s). Therefore the packing set fulfill that criteria and can be used as a sealing system for the purposes of TA Luft.

This certificate is valid only with the test report No. TALP/16042014/05/LBMU

Bielsko-Biała, April 16th, 2014

M.Sc.Eng. Janusz Zajączek