

CERTIFICATE

No. 24/LBMU/25.10.2017

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

SPETECH

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The flat gaskets:

SPETOMET® MWK® 20 316 / silver thickness 4 mm

of the manufacturer:

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

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

| | | |
|--------------------------------|------------|----------|
| geometry: | 92/69/53/4 | mm/mm/mm |
| initial gasket stress: | 83,1 | MPa |
| temperature of exposure: | 400 | °C |
| period of exposure: | 48 | h |
| remaining gasket stress: | 8,3 | MPa |
| test pressure (absolute): | 1 | 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: $4,73 \cdot 10^{-8}$ 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/25102017/448/LBMU

Bielsko-Biała, October 25th, 2017

M.Sc.Eng. Janusz Zajączek

