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**TESTED[®]
DEVICE**

LEONI Elocab Ltd.
EBK 37504 Rev.2
Report No. LE 0912-501

DUPLICATE

Statement of
Qualification

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Customer: LEONI Elocab Ltd.
258 McBrine Drive
Kitchener, ON, N2R 1H8
Canada

Component tested: LEONI Elocab Ltd. High Performance Flat Cable

Type: EBK 37504 Rev.2

Tests performed: Emission chamber measurement of molecular emission (airborne) using gas chromatography in combination with mass spectrometry TD-GC/MS, gas impinger in combination with ion chromatography IC and photometry

Test parameters: Assessment of the outgassing behaviour relative to total volatile organic compounds (TVOC) at 23°C

Test results / classification: The cable system EBK 37504 Rev.2 was tested regarding its outgassing behaviour relative to its total volatile organic compounds (TVOC). The specific outgassing rate is 1.6×10^{-9} g/m²/s.

	Test temperature	Outgassing rates – TVOC	
		g/m ² /s	ISO-AMC-Class
EBK 37504 Rev.2	23°C	1.6×10^{-9}	-8.8

Standards / guidelines used for the qualification: ISO 16000-6, -9, -11; DIN 38406-5; ISO 14644-8

Test parameters of the cleanroom environment: Cleanroom of Air Cleanliness Class ISO Class 1 (according to ISO 14644-1)

Air flow velocity: 0.45 m/s

Air flow guidance: vertical unidirectional air flow from ceiling to floor (raised floor)

Temperature: 22°C ± 0.5°C (71.6°F ± 0.9°F)

Relative humidity: 45 % ± 5 %

The measuring equipment used for the qualification is regularly calibrated and is based on national and international standards. In the case where no national standards exist, the measuring procedure used corresponds with technical regulations and norms valid at the time of the measurement. The documents drawn up for this procedure are available for viewing.

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