

Measurement of sound power level according to
DIN EN ISO 3744:1995-11 and DIN EN ISO 11204:1996-7

Allround mixer MixMate

Eppendorf AG, 22331 Hamburg, Germany

1. **Machine:**

- | | | |
|-----|-----------------------|------------------------|
| 1.1 | Type: | Allround mixer MixMate |
| 1.2 | Serial Number: | 5353 05003 |
| 1.3 | Year of construction: | 2008 |

2. **Specifications:**

See documents of the manufacturer

3. **Measurement system:**

- | | | |
|-----|-------------------------------|--------------|
| 3.1 | Calibrated sound level meter: | Norsonic 118 |
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4. **Measurement surface:**

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|-----|-----------------------|-------------------------------------|
| 4.1 | Measurement surface: | hemisphere with 10 measuring points |
| 4.2 | Measurement distance: | 1 m |

5. **Measurement conditions:**

- | | | |
|-----|-------------------------------------|------------------------------------|
| 5.1 | Environment: | Free field over a reflecting plane |
| 5.2 | Environmental correction K_{2A} : | 0.9 dB(A) |
| 5.3 | accuracy class | 2 |
| 5.4 | Operating conditions: | 1400 rpm |

- | | | |
|----|---|------------|
| 6. | <u>Measurement surface sound pressure level:</u> | 31.2 dB(A) |
| | <u>Sound power level:</u> | 39.0 dB(A) |

TÜV Nord Umweltschutz GmbH & Co. KG

Große Bahnstraße 31, 22525 Hamburg

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Dipl. - Ing. C. Michalke