

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 |
|-----|-------------------------------|--------------|

### 4. Measurement surface:

- |     |                       |                                     |
|-----|-----------------------|-------------------------------------|
| 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)                          |
| 5.7 | accuracy class                      | 2                                  |
| 5.8 | Operating conditions:               | 3000 rpm                           |

- |    |  |            |
|----|--|------------|
| 6. | <u>Measurement surface sound pressure level:</u> | 46.1 dB(A) |
|    | <u>Sound power level:</u>                        | 54.0 dB(A) |

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