



## CALIBRATION CERTIFICATE

Customer name : \*\*\*\*\* CO., LTD.  
 Customer address : \*\*, \*\*, \*\*, \*\*, Japan  
 Product : SOUND CALIBRATOR  
 Type : NC-74  
 Serial number : 00000000  
 Manufacturer : RION CO., LTD.  
 Calibration quantities : Sound pressure level (with reference standard microphone)  
 Sound pressure level (with reference load volume)  
 Calibration method : Measured by specified secondary standard microphone  
 according to JCSS calibration procedure specified by RION.  
 Ambient conditions : Temperature 23.0 °C, Relative humidity 50 %,  
 Static pressure 100.0 kPa  
 Calibration date : \*\*/\*\*/\*\*\*\* (DD/MM/YYYY)  
 Calibration location : 3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan  
 RION CO., LTD. Calibration Room

We hereby certify that the results of this calibration were as follows.

Issue date : \*\*/\*\*/\*\*\*\* (DD/MM/YYYY)

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Manager  
 Quality Assurance Section,  
 Environmental Instrument Division,  
 RION CO., LTD.  
 3-20-41 Higashimotomachi, Kokubunji,  
 Tokyo 185-8533, Japan



This certificate is based on article 144 of the Measurement Law and indicates the result of calibration in accordance with measurement standards traceable to Primary Measurement Standards (National Standards) which realizes the physical units of measurement according to the International System of Units (SI).

The accreditation symbol is attestation of which the result of calibration is traceable to Primary Measurement Standards (National Standards).

The certificate shall not be reproduced except in full, without the written approval of the issuing laboratory.

The calibration laboratory who issued this calibration certificate conforms to ISO/IEC 17025:2017.

This calibration certificate was issued by the calibration laboratory accredited by IAJapan who is a signatory to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Cooperation (ILAC) and Asia Pacific Accreditation Cooperation (APAC). This (These) calibration result(s) may be accepted internationally through ILAC/APAC MRA.

## CALIBRATION RESULT

### 1. Sound pressure level (with reference standard microphone)

Measured value	Expanded uncertainty *1
94.25 dB	0.09 dB

Specified secondary standard microphone:

Type : 0000

Serial number : 0000000

Reference Sound pressure :  $2 \times 10^{-5}$  Pa

### 2. Sound pressure level (with reference load volume\*2)

For calibration, the referred measured value (Sound pressure level(with reference load volume)) should be used. (See “INSTRUCTION MANUAL” of NC-74)

Measured value	Expanded uncertainty *1
94.00 dB	0.10 dB

Reference load volume \*2: 1025 mm<sup>3</sup>

Reference Sound pressure :  $2 \times 10^{-5}$  Pa

\*1 Defines an interval estimated to have a level of confidence of approximately 95 %.

Coverage factor  $k=2$

\*2 Effective load volume of microphone at reference condition of NC-74

(Equivalent to the effective load volume of the types of UC-27 and UC-53A (using with 1/2-inch adapter NC-74-002))

Calibration result is the calibration value in ambient conditions during calibration.

#### Important:

The sound pressure level of the sound generated by NC-74 depends on the effective load volume of the microphone.(See “INSTRUCTION MANUAL” of NC-74)

## BE OUT OF JCSS CALIBRATION

### 1. Frequency

Measured value	Measurement uncertainty ( $k=2$ )
1000.0 Hz	$8.9 \times 10^{-4}$ Hz

Working measurement standard universal counter:

Type : 000000  
 Serial number : 0000000000  
 (JCSS Calibration Certificate No. 0000000000000000)

### 2. Total distortion

Measured value
1.0 %

Working measurement standard distortion meter:

Type : 000000  
 Serial number : 0000000000  
 (A2LA Calibration Certificate No. 00000000)

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