Certificate No:

Test

MARO ELEKTRONIK
Silvanerweg 6
55559 Bretzenheim

Cert # 1234567

Mass Calibration Certificate

Customer Information

Customer Name:

City:

Address:

State / Province:

Purchase Order:

Zip / Postal Code:

Measurement and Test Equipment Identification

Serial Number:

Date Received:

Manufacturer:

Environmental Conditions

Temperature:

Relative Humidity: %

Barometric Pressure: hPa

Air Density: kg/m^3

Traceability Number: 12345678

This certificate is issued in accordance with the conditions granted by XXXX under Certificate number xxxxx, which is based on ISO/IEC17025. XXXX has assessed the measurement capability of the laboratory and its traceability to recognized national standards. All uncertainties in this certificate are reported at a 95% (k=2) confidence factor.

Calibration Date:

Next Calibration Due:

Calibration Technician:

Signature: _____

Authorized Signatory Date

Certificate No:

As Found Data

Nominal Value	True Mass (g)	Conv. Mass (g)	Uncertainty (mg, k = 2)	Tolerance (mg)	Density (g/cm^3)	Calibration Process

Certificate No:

As Left Data

Nominal Value	True Mass (g)	Conv. Mass (g)	Uncertainty (mg, k = 2)	Tolerance (mg)	Density (g/cm^3)

Certificate No:

Comparators Used

#	Equipment Used	Serial-Nr	Equipment Type	Calibration Due

Comments

Certificate No:

Definitions

Nominal Value - The value as labeled on the weight or defined by shape in accordance with OIML R111 for milligram weights. The number within the parentheses after the nominal value is the serial number of the set to which the weight belongs.

True Mass - The mass value of the weight if measured in a vacuum.

Conventional Mass - For a mass at 20 °C, "Conventional Mass" is the mass of a reference standard of density 8000 kg/m³ which it balances in air with a density of 1.2 kg/m³. This value should be referenced when testing the accuracy of a weighing device using any of the nominal values contained in this certificate. The As Found results will equal the As Left in cases where no adjustment or replacement was required.

Uncertainty - All Uncertainty values are reported at 95% confidence level (k=2) . The uncertainty value does not include a component for the affects due to magnetism.

Tolerance - The acceptable range of deviation (positive and negative) from the nominal value, including the uncertainty, as defined by ASTM and OIML for the respective classes.

Density - The assumed density of the material used by the manufacturer.

Calibration Process - The MARO procedure used to obtain the measurement results. All procedures are based on SOPs as defined in NIST Handbook 145. The same process is used to obtain the As Found and As Left results.