



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

King Nutronics Corporation
6421 Independence Avenue
Woodland Hills, CA 91367

Fulfills the requirements of

ISO/IEC 17025:2017

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 19 February 2024
Certificate Number: AC-2031



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AND

ANSI/NCSL Z540-1-1994 (R2002)

King Nutronics Corporation

6421 Independence Avenue
Woodland Hills, CA 91367
Mohammad Houman 818-887-5460 ext. 23

CALIBRATION

Valid to: **February 19, 2024**

Certificate Number: **AC-2031**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Absolute Pressure	(0.5 to 110) inHg	0.004 % of reading	Schwieb 1025FX110-2 Manometer
Barometric Pressure	(0.5 to 35) inHg	0.012 % of reading	Schwieb 1025FX110-2 Manometer
Vacuum	(0.5 to 30) inHg	0.013 % of reading	Schwieb 1025FX110-2 Manometer
Pressure	(0.5 to 100) psig	0.022 % of reading	Ruska 2465 Dead Weight Tester, Troemner Weight Set
Pressure	(100 to 2 000) psig	0.008 % of reading	Ruska 2400 Dead Weight Tester, Troemner Weight Set
Pressure	(2 000 to 10 000) psig	0.005 % of reading	Ruska 2400 Dead Weight Tester, Troemner Weight Set
Torque Transducer ¹	(0.005 to 50) lbf·ft	0.02 % of reading	King Nutronics 3695 Quartz Gage, King Nutronics 3703 Calibration Stand
Torque Transducer ¹	(50 to 500) lbf·ft	0.013 % of reading	Morehouse Series 1 000 Proving Rings, King Nutronics 3703 Calibration Stand

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Transducer ¹	(500 to 5 000) lbf·ft (2 000 to 20 000) lbf·ft	0.011 % of reading 0.014 % of reading	Morehouse Series 5 000 Proving Rings, King Nutronics 3703 Calibration Stand


Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature – Measure/Source	(-190 to 661) °C	0.05 °C	Rosemount 162CE SPRT w/ Agilent 34401 6.5 Digit Multimeter, King Nutronics 3724 Thermo Unit Calibrator

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Notes:

1. Due to the resolution of the display changing during calibration, the CMC listed here does not contain the resolution of the unit under test. The resolution will be included in the reported uncertainty at the time of calibration.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2031.



R. Douglas Leonard Jr., VP, PILR SBU