



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**King Nutronics Corporation**  
**6421 Independence Ave.**  
**Woodland Hills, CA 91367**

has been assessed by ANAB  
and meets the requirements of international standard

**ISO/IEC 17025:2005**

and national standard

**ANSI/NCSL Z540-1-1994**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-2031

Certificate Number

  
ANAB Approval

Certificate Valid: 01/25/2017-02/19/2018  
Version No. 002 Issued: 01/25/2017



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 January 2009).



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005  
& ANSI/NCSL Z540-1-1994**

**King Nutronics Corporation**

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**CALIBRATION**

Valid to: February 19, 2018

Certificate Number: AC - 2031

**I. Mechanical Calibration**

<b>Parameter/ Equipment</b>	<b>Range</b>	<b>Calibration and Measurement Capability [Expressed as Uncertainty(±)]</b>	<b>Reference Standard or Equipment</b>
Low Pressure / Vacuum	(0.5 to 110) in-Hg	0.004 %	Schwieb 1025FX110-2 Manometer
Pressure	(2 to 700) psig	0.016 %	Ruska 2465 Dead Weight Tester and Troemner Weight Set
Pressure	(6 to 2 400) psig	0.017 %	Ruska 2400 Dead Weight Tester and Troemner Weight Set
	(30 to 12 000) psig	0.013 %	
Pressure	(0 to 4) psig	0.002 psi	King Nutronics Pressure Calibrator Model 3689-A
	(4 to 2 000) psig	0.015 %	
	(2 000 to 10 000) psig	0.010 %	
	Vacuum: (0 to 30) in-Hg	0.053 %	
	Absolute: (0.5 to 35) in-Hg	0.034 %	
	Absolute: (35 to 200) in-Hg	0.022 %	



Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty( $\pm$ )]	Reference Standard or Equipment
Torque	(0 to 50) lbf-ft	0.022 %	King Nutronics Quartz Gage Model 3695 KNC Calibration Stand Model 3703
Torque	(50 to 500) lbf-ft	0.0012 %	Morehouse Series 1 000 Proving Rings KNC Calibration Stand Model 3703
Torque	(500 to 5 000) lbf-ft (2 000 to 20 000) lbf-ft	0.010 % 0.014 %	Morehouse Series 5 000 Proving Rings KNC Calibration Stand Model 3703

## II. Thermodynamic Calibration

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty( $\pm$ )]	Reference Standard or Equipment
Temperature	(-190 to 661) °C (-310 to 1 221.8) °F	0.020 °C	Rosemount 162CE SPRT Agilent 34401A Multimeter  King Nutronics 3724 Thermo Unit Calibrator

### Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of k=2.
2. This scope is formatted as part of a single document including the Certificate of Accreditation No. AC-2031.

  


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 Vice President