

PRODUCT CERTIFICATION AND DECLARATION OF CONFORMITY

Atomic Absorption Spectrometer, Model PinAAcle 500

This PerkinElmer product conforms to the regulations stipulated in the CE Mark requirements for the EMC Directive (2014/30/EU), the Low Voltage Directive (2014/35/EU), and the RoHS 2 Directive (2011/65/EU as amended by (EU) 2015/863), and the corresponding UK Statutory Instruments (SI) for the UKCA Mark, the Electromagnetic Compatibility Regulations 2016 (SI 2016 No. 1091), the Electrical Equipment (Safety) Regulations 2016 (SI 2016 No. 1101), and the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI 2012 No. 3032):

EN 55011:2009 + A1:2010, Group 1, Class A, EMC -- RF Characteristics of ISM Equipment
EN 61326-1:2013, EMC -- Requirements for Electrical Equipment for Laboratory Use
EN 61000-4-2, EMC -- Electrostatic Discharge Requirements
EN 61000-4-3, EMC -- Radiated Electromagnetic Field Requirements
EN 61000-4-4, EMC -- Electrical Fast Transient/Burst Requirements
EN 61000-4-5, EMC -- Surge Immunity Requirements
EN 61000-4-6, EMC -- Conducted Disturbances (induced by RF fields) Requirements
EN 61000-4-8, EMC -- Power Frequency Magnetic Field Requirements
EN 61000-4-11, EMC -- Voltage Dips, Short Interruptions, Voltage Variations Requirements
EN 61000-3-2:2006 + A1:2009 + A2:2009, EMC -- Harmonic Current Emissions
EN 61000-3-3:2008, EMC -- Voltage Fluctuations and Flicker
EN 61010-1:2010+A1:2019, Safety Requirements for Electrical Equipment for Laboratory Use
EN 61010-2-010:2014, Safety Requirements for Laboratory Equipment for the Heating of Materials
EN 61010-2-061:2015, Safety Requirements for Laboratory Spectrometers with Thermal Atomization and Ionization
EN 63000:2018, Technical Documentation for the assessment of electrical and electronic products with respect to the RoHS

CAN/CSA C22.2 No. 61010-1-12, Safety Requirements for Electrical Equipment for Laboratory Use
UL 61010-1, 3rd edition, Safety Requirements for Electrical Equipment for Laboratory Use
CAN/CSA C22.2 No. 61010-2-010:15, Safety Requirements for Laboratory Equipment for the Heating of Materials
UL 61010-2-010, 3rd edition, Safety Requirements for Laboratory Equipment for the Heating of Materials
CAN/CSA C22.2 No. 61010-2-061-15, Safety Requirements for Laboratory Spectrometers with Thermal Atomization and Ionization
UL 61010-2-061, 3rd edition, Safety Requirements for Laboratory Spectrometers with Thermal Atomization and Ionization
ICES-001 Issue 5, Class A, Radiated and Conducted Emissions
FCC Part 18, Class A, Radiated and Conducted Emissions

AS/NZS CISPR 11:2011
Korean Radio Waves Act, Article 58-2, Clause 3
Law on Metrology of the People's Republic of China (Pattern Approval)

This product also conforms to the Battery Directive (2006/66/EC), the Waste Electrical and Electronic Equipment Directive (WEEE, 2012/19/EU), and the Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH, EC 1907/2006), and the corresponding UK Statutory Instruments (SI), the Waste Batteries and Accumulators Regulations 2009 (SI 2009 No. 890), the WEEE Regulations 2013 (SI 2013 No. 3113), and the REACH Enforcement Regulations 2008 (SI 2008 No. 2852).

This declaration of conformity is issued under the sole responsibility of PerkinElmer.

Signed for and on behalf of:



Stephen Brookes
Compliance Engineer

9th August 2022

PerkinElmer, 710 Bridgeport Avenue, Shelton, CT 06484 USA
[in the EU: DANI ANALITICA S.R.L., Part of PerkinElmer Group, Viale Brianza, 87 20093 Cologno Monzese MI - ITALY]
[in the UK: PerkinElmer, Chalfont Road, Buckinghamshire, Seer Green, HP9 2FX, United Kingdom]
An ISO 9001 Company

Product Line:	AAS	Product:	PinAAcle 500
Serial No.:	P5PS23030802	Commission No.:	5002542
Manufacturing Site:	SINGAPORE		
Part No:	N3180018		

Description	PinAAcle 500 Base Unit		
Software Rev.	5.0.0	Documentation Date:	09-Mar-23

Product Configuration

Flame Gasbox	22081690100		
Low Volt Power Supply	223920853	Instrument PC	AN22OC1331
Instrument Controller	2225069007/E	Instrument Firmware	1.5.1.0012
Detector	ID1622009922/C		
Lamp Board	ID2822018243/B		
D2 Lamp	EI2180		

Performance Verification

Ni-Triple Peak Test	OK
Mn-Double Peak Test	OK
Flame Sensitivity Test	PASS
Flame Precision Test	PASS

Instrument Parameters

Lamp Position	1	2	3	4	Drive Offset	-125.48828
Horizontal :	15930	460	15930	530	Drive Constant	50.66564128
Vertical :	9850	9870	1320	1290	Sine Bar Offset	-0.00230513

Safety: Yes

EMC: Yes

Hi-Pot: Yes

Tested by: KEVIN

Date : 09-Mar-23