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Certificate of Analysis
Part No. B2418
Steel Pin Standard

Analytical Results

% Oxygen	**% Nitrogen**
Value = 0.00296	Value = 0.0579
Expanded Uncertainty = 0.00065	Expanded Uncertainty = 0.0032
Method & Detection = Inert gas fusion	Method & Detection = Inert gas fusion
k ≈ 2(95% confidence)	k ≈ 2(95% confidence)

Primary Reference Standards Used:

NIST 64c, NIST 2168, BAM 231-2, BAM 026-1, BCS 463/1, NCS NS 11098

Methods Employed:

ISO 17025 lab, internal method-Oxygen/Nitrogen analysis

**The analytical results above are provided by an accredited reference material manufacturer with a current certification in ISO 17025 and 17034.*

The intended use of this Reference Material (RM) is for the verification and calibration of inert gas fusion for the determination of oxygen and nitrogen.

The minimum sample size to perform this intended use is 1 pin.

The Period of Validity for this RM is 20 years after opening, is handled and stored in accordance with the instructions given in this certificate and should be reviewed 20 years after the date below.

This bottle contains 100g of 1.0g (nominal) Steel pins to be used per the test method you follow. Keep sealed tightly and store under normal laboratory conditions.

Refer to your test methods and or manufacturer manual for expanded uncertainties, repeatability/reproducibility factors.

For good laboratory practice, we recommend that all reference materials be verified as fit for purpose prior to use. Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Elemental Microanalysis Ltd. be liable for incidental or consequential damages.

Certified on the 19th of February 2025

Elemental Microanalysis Ltd