

TECHNICAL DATASHEET

High-Purity Nickel Wire Ø 0,025 mm

1. Product identification

Product	Nickel wire (Ni), ultra-fine, bare
Grade	NP0-NP1 (as declared on the certificate of origin)
Nickel purity	99,9519 % - calculated per GOST 492-2006 (sum of controlled impurities 0,0481 % by weight) Declared: 99,98 % ± 0,05 % (certificate of origin)
Nominal diameter	0,025 mm (25 µm)
Diameter tolerance	Not stated in the source documents - to be confirmed
Linear density	1 g ≈ 227 m of wire (Ø 0,025 mm)
Radioactivity	Not radioactive (confirmed by laboratory)
Applicable standard	GOST 492-2006 - Nickel, low-alloyed nickel alloys (impurity limits and purity calculation)
Country of origin	European Union

2. Lot data

Total net weight	9.980,0 g
Total length	2.265.460,00 m
Number of bobbins	37 bobbins (spools), individually numbered and labelled with net weight and length
Average per bobbin	approx. 269,7 g / approx. 61.229 m (calculated from lot totals)
Sample bobbin	No. 95: net 278 g / 63.761 m ≈ 229,4 m/g, consistent with the lot figure of ≈ 227 m/g
Packaging	6 protective hard cases with foam inserts
Storage	Secured third-party warehouse, Austria (EU); safekeeping receipt dated 24.04.2026, presence confirmed 23.07.2026

3. Chemical composition (ICP-MS / ICP-OES, ppm = µg/g)

Element	ppm	Element	ppm	Element	ppm	Element	ppm
Ag	< 0,5	Cu	24	Ni	Matrix	Sn	< 0,2
Al	8	Fe	10	P	< 1	Ta	< 0,5
As	3	Hf	< 0,2	Pb	3	Ti	587
B	< 1	K	6	Pd	< 0,2	U	< 0,1
Bi	< 0,2	Mg	15	Pt	< 0,2	V	< 0,2
Ca	18	Mn	171	S	< 1	W	< 0,2
Cd	< 0,2	Mo	< 0,2	Sb	< 0,2	Zn	3
Co	36	Na	29	Se	2	Zr	< 0,5
Cr	< 0,5	Nb	< 0,2	Si	252		

Sample: 1 g composite sample taken from bobbins nos. 82, 89, 97, 99, 106 and 115 on 01.04.2026.

GOST 492-2006 impurity basis: As, Bi, Cd, Cu, Fe, Mg, Mn, P, Pb, S, Sb, Sn, Si, Zn = 0,0481 % by weight → purity 99,9519 %. Elements outside this basis (notably Ti 587 ppm and Co 36 ppm) are not included in the purity figure.

4. Mechanical and electrical properties

Tensile strength / elongation	Not stated in the source documents - available on request
Temper (annealed / hard-drawn)	Not stated in the source documents - available on request
Electrical resistivity	Not stated in the source documents - available on request

5. Quality documentation

Certificate of Analysis	No. 0005461 dated 08.04.2026 – independent assay laboratory (ICP-MS / ICP-OES), Germany
Certificate of Origin	EU certificate of origin No. A 40124376 dated 27.04.2026, issued by the competent Chamber of Commerce; electronically verifiable until 12/2028
Custody documents	Safekeeping receipt dated 24.04.2026 (storage period 24.04.2026 – 24.04.2027); proof-of-presence confirmation dated 23.07.2026; certificate of ownership

6. Typical applications (indicative)

Electronic and micro-electronic lead and bonding wires; electron tube, lamp and vacuum components; sensors, probes and thermal elements; fine meshes and filtration; electrochemical, battery and laboratory research.

7. Commercial terms

Availability	Single lot of 9.980,0 g, in stock
Minimum order quantity	Not stated – on request
Lead time	Not stated – on request

8. Photographs



Lot overview, 26.03.2026: bobbins and protective cases



Sample bobbin no. 95 with label: 278 g / 63.761 m



Close-up of a bare spool, Ø 0,025 mm wire



Closed protective hard case

All data are taken from the lot documentation listed above. Information marked "not stated" will be confirmed on request. This datasheet is for information only and does not constitute an offer.

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