



SPECIAL METALS WIGGIN LIMITED

Holme Road, Hereford, England HR4 9SL
Tel: +44 (0)1432 382200 Fax: +44 (0)1432 264030
Reg. in England No. 36721

INSPECTION CERTIFICATE

(EN 10204/DIN 50 049 - 3.1.B)
ISO 9002 LRQA LTD. Certificate No. 850325
CAA Approval No. AI/2388/47
TÜV Approval to AD - Merkblatt WO/TRD 100
RR9000:SABRe Approval No. 1506



Certificate No. **1221833**

Dated 03/01/2002

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0201/01

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Customer's Order No. / Contract No.

Inspector H92

Product Description & Dimensions

NILO alloy K. Cold Drawn Wire Round. Cold Drawn. Annealed. Straight Length.
9.5 DIA x 3000 MM CUT

Our Reference No.	Quantity	Weight or Length	Mill Batch No.	Cast No.	Incoming Certificate No.	Advice Note
ABH6764/01	1	45 Kg	ABH6764/01	ALT2073		A12542

Specifications:
SMW STANDARD COMPOSITION

Chemical Composition Weight % (except where stated ppm)

	C	P	Co	Fe	Ni
Btm	<0.005	<0.005	17.3	Bal	29.2
Top	<0.005	<0.005	17.3	Bal	29.3
Max	0.05	0.015	17.##	Balance	29.##

Test Report No.
693691A

Other tests & remarks

Vacuum induction Melted & Electroslag remelted. Primary cast number : AKL1436.
Castcode NA.
Mean co-efficient of linear expansion in cms/cm/°C x 10 to the power -6 over the range:
R.T. to 100°C = 6.30 Tested on heating curve. R.T. to 200°C = 5.90 Tested on heating curve.
R.T. to 300°C = 5.44 Tested on heating curve. R.T. to 400°C = 5.21 Tested on heating curve.
R.T. to 450°C = 5.52 Tested on heating curve. R.T. to 500°C = 6.35 Tested on heating curve.
R.T. to 600°C = 7.92 Tested on heating curve.
Inflection temperature 443°C Tested on heating curve.
Visual and dimensional examination satisfactory. Positive material identification test satisfactory.

End of certificate

QS072/Rev.2/3.01

Certified that, unless otherwise stated above, the whole of the above-mentioned materials have been manufactured, tested and inspected in accordance with the terms of the contract/order applicable thereto and conform fully to the standards/specification quoted hereon and the requirements of:

BS EN ISO 9002.

Signed

for and on behalf of SPECIAL METALS WIGGIN LIMITED
Authorised Signatory

C.L. Pockett

Date 03/01/2002

BRIGHTRAY, CORRONEL, FERRY, INCOCLAD, INCOLOY, INCONEL, INCOTHERM, INCO-WELD, KOTHERM, MAXORB, MONEL, NILO, NILOMAG, NIMONIC, NIOOTHERM, NI-SPAN, UDIMET & WIGGIN are Trade Marks of Special Metals Corporation