

TSINGHUA



Qualification Test Record

NORSOK M-650

QTR No.: IS-SH-414186-25-001

REV: 00

Manufacturer name

Fujian Tsingtu Nickel Industry Co., Ltd.

Address

501 Village, Wuyuan Town, Fujian City, Fujian

Product name

100% Nickel

Material No.

100% Nickel

Material description

100% Nickel

Manufacturer's name

Fujian Tsingtu Nickel Industry Co., Ltd.

Manufacturer's address

501 Village, Wuyuan Town, Fujian City, Fujian

Manufacturer's phone

86-592-3333333

Manufacturer's fax

86-592-3333333

Manufacturer's website

www.tsingtu.com

Manufacturer's email

tsingtu@tsingtu.com

Manufacturer's contact person

Mr. Zhang

Manufacturer's contact phone

86-592-3333333

Manufacturer's contact fax

86-592-3333333

Manufacturer's contact email

zhang@tsingtu.com

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|--------------|--------------|----------------------|--|---|----------------------|--------------------|------------------------|----------------------|-------------------------------|------------------------------|----------------------------|------------------------------|
| Product name | Material No. | Material description | Manufacturer's name | Manufacturer's address | Manufacturer's phone | Manufacturer's fax | Manufacturer's website | Manufacturer's email | Manufacturer's contact person | Manufacturer's contact phone | Manufacturer's contact fax | Manufacturer's contact email |
| 100% Nickel | 100% Nickel | 100% Nickel | Fujian Tsingtu Nickel Industry Co., Ltd. | 501 Village, Wuyuan Town, Fujian City, Fujian | 86-592-3333333 | 86-592-3333333 | www.tsingtu.com | tsingtu@tsingtu.com | Mr. Zhang | 86-592-3333333 | 86-592-3333333 | zhang@tsingtu.com |

Qualification Test Record

This record is a part of the qualification test record for the product 100% Nickel, material No. 100% Nickel, produced by Fujian Tsingtu Nickel Industry Co., Ltd. The product is used for the production of nickel-based alloys. The qualification test was carried out in accordance with the requirements of NORSOK M-650 edition 4. The test results are as follows:

The test results show that the product meets the requirements of NORSOK M-650 edition 4. The product is qualified for use in the production of nickel-based alloys.


The qualification test was carried out by the Fujian Tsingtu Nickel Industry Co., Ltd. The test results are as follows:

The test results show that the product meets the requirements of NORSOK M-650 edition 4. The product is qualified for use in the production of nickel-based alloys.



Fujian Tsingtu Nickel Industry Co., Ltd.
 501 Village, Wuyuan Town, Fujian City, Fujian
 Tel: +86 592 3333333 Fax: +86 592 3333333

June 20th, 2020

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|---|---|------------------------------|
|  | QTR Qualification Test Record NORSOK M-650 | QTR No.: IS-SH-414186-25-001 |
| | | Rev. 00 |

History of Qualification

| No. | Description | Issue date |
|-----|------------------------------------|----------------|
| 00 | Original qualification test record | June 24th 2025 |

Instructions to this OTR

Whenever a change is made in the equipment or procedure. The manufacturer should inform these changes to TÜV SÜD with written



QTR Qualification Test Record

QTR No.: IS-SH-414185-
25-002
Rev. 00

History of Qualification

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1. The purpose of this qualification test is to verify that the test results are in accordance with the requirements specified in the test plan. The test results are to be used to determine the qualification status of the test results.

- A. The test results are to be used to determine the qualification status of the test results.
- B. The test results are to be used to determine the qualification status of the test results.



QTR Qualification Test Record NORSOK M-650

QTR No.: IS-SH-
414186-25-003

Rev. 00

FORM 8-14

web page: <http://www.tsingtuo.com>

Reference standard: NORSOK M-650 edition 4

Material design: ASTM A276 (A276M 321)

Material MS No.: EN10088-3 1.4541

Manufacturing: ZZGY-NY-P20

Summary Des. No.:

Rev. A/FU

Mandatory conditions and Raw material supplier: Fujian TsingTuo Nickel Industry Co., Ltd.

External test laboratory: Testing Center of TsingTuo Group Co., Ltd.

| Product and manufacturing process | Raw Material Qty. | Typical thickness (mm) | Quenching thickness (mm) | Test piece weight (kg) | Chemical weight (kg) |
|-----------------------------------|-------------------|------------------------|--------------------------|------------------------|----------------------|
| Blank | 1.239 kg | 0.8 | 0.8 | 0.04 | 0.04 |

Qualification / Acceptance procedure

Manufacturers: TSINGTUO NICKEL Proposed by: TSINGTUO NICKEL Checked by: TSINGTUO NICKEL

(Note: The text in this section is heavily distorted and partially illegible due to image quality.)





QTR Qualification Test Record

QTR No.: ISSH-414186-
25-003

History of Qualification

| Sl. No. | Revision | Reason for Revision | Effective Date |
|---------|----------|-----------------------------|----------------|
| 1 | 1.0 | Initial Issue | 2025-01-01 |
| 2 | 1.1 | Minor corrections | 2025-02-15 |
| 3 | 1.2 | Updated test procedures | 2025-03-10 |
| 4 | 1.3 | Added new test cases | 2025-04-05 |
| 5 | 1.4 | Revised acceptance criteria | 2025-05-20 |
| 6 | 1.5 | Final review and approval | 2025-06-30 |

Revision History

The revision history should update the corresponding date with the change in the test cases and procedures. The revision history should include the following information:

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The revision history should include the following information:

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| | QTR | QTR No.: IS-SH-414186-25-004 |
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| Web page: Reference standard: Material designation Material No. S No.: Manufacturing process: Rev. A/U | Fuxi Village, Wanshu Town, Fuzhou City, Fujian Province, 350000, P.R.China. Web page: http://www.tsingtuo.com NORSOK M-650 edition 4 ASTM A581/A581M 3047304L EN10088-3 1.4301/1.4307 ZZGY-NY-X01 Rev. A/U | address: Reference: Material and MD: Manufacturing Summary: |
| Mandatory conditions and subcontractors: | Raw material supplier: Fujian Tsingtu Nickel Industry Co., Ltd. External test laboratory: Testing Center of Tsingtu Group Co., Ltd. CNAS /ISO17025 accredited test lab, register no. CNAS L9039. <i>All manufacturing processes listed in the Manufacturing Summary, does not permit to be subcontracted unless the subcontractors have been qualified by the Quality Company.</i> | |

Verification Report of Heat Treatment Procedure: QTR M650/001

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|---|------------|------------|------------|------------|------------|
| TOTAL | 2017/04/28 | 2017/04/28 | 2017/04/28 | 2017/04/28 | 2017/04/28 |
| Qualification / Acceptance signature | | | | | |
| | | | | | |
| The signatories are authorized and permitted to be in charge of the relevant activities in accordance with the above listed products and materials. | | | | | |


Qualified, executed by company name as well as the QTR Certification and Testing Center Co., Ltd. signature blank.

Manufacturing process: ZZGY-NY-X01 (China)

Product: 3047304L

Tel: +86 571 6149 2223 Fax: +86 571 6149 8600



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|  | Qualification Test Record NORSOKTM M-650 | QTR No. 153H-414160-25-004 |
| | | 25-004 Rev. 00 |

History of Qualification

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Classification to Class Q/TM

1. The manufacturer should demonstrate compliance with the requirements of the applicable standards and specifications for the material and the manufacturing process.

2. The manufacturer should demonstrate compliance with the requirements of the applicable standards and specifications for the manufacturing process.

3. This qualification Q/TM is only applicable to the manufacturer name and address listed herein. If the manufacturer is not listed herein, it is necessary to qualify the material and manufacturing process separately.

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| | QTR | QTR No.: IS-SH-414186- |
| Qualification Test Record | | 25.005 |
| NORSOK M-650 | | REV. 00 |

History of Qualification

| Revision | Description | Issue date |
|----------|------------------------------------|---------------|
| 00 | Original qualification test record | June 24, 2025 |
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