

证书编号/Certificate No.  
SH21PWA00026

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中国  
CHINA CLASSIFICATION SOCIETY

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| 材料名称<br>Name of Consumables  | 牌号(型号)<br>Brand (Model) | 认可<br>Certification |
|--|-------------------------|---------------------|
| 船用手工电弧焊条<br>Marine electrode for Manual arc welding                                  | TL-507                  | 3Y/H                |
|  | TL-508                  | 3Y/H                |
|  | TS-309L                 | 3Y09                |
|  | TS-308L                 | 3Y04                |
|  | TS-316L                 | 3Y16                |
|  | TS-308LT                | 3Y04                |
|  | TN-28                   | 5Y46                |
|  | TL-507Ni                | 4Y                  |
| 埋弧自动焊焊丝/<br>焊剂<br>Wire/Flux<br>Combination<br>for Submerged arc<br>Automatic Welding | TW-308L/TFS-300         | 3Y04L               |
|  | TW-309L/TFS-300         | 3Y09L               |
|  | TW-308L/TFS-300NB       | 3Y04L               |
|  | TSW-12KHG/TF-210        | 5Y40TI              |
|  | TSW-12KHG(x2)/TF-210    | 5Y40M               |
|  | TSW-14H/TF-560          | 4Y40TI              |
|  | TSW-14H(x2)/TF-560      | 4Y40TI              |
|  | TSW-E41/TF-210          | 4Y35M               |
|  | TSW-E31/TF-250          | 5Y46MI              |
|  | TSW-E31*2/TF-250        | 5Y46MI              |
|  | TSW-E5G/TF-210          | 4Y69MI              |

| 及性<br>ent<br>ity | 规格 (mm)<br>Specification |
|------------------|--------------------------|
| EP               | 2.6~5.0                  |
| CEP              | 3.2~5.0                  |
| CEP              | 3.2~5.0                  |
| CEP              | 2.6~5.0                  |
| CEP              | 2.6~5.0                  |
| CEP              | 3.2,4.0                  |
| CEP              | 3.2,4.0                  |
| EP               | 3.2,4.0                  |
| EP               | 2.0,2.4,3.2,4.0          |
| EP               | 3.2,4.0                  |
| EP               | 2.4,3.2,4.0              |
| EP               | 2.4,3.2,4.0,5.0          |
| EP               | 2.4,3.2,4.0,5.0          |
| EP               | 2.4,3.2,4.0,5.0          |
| EP               | 2.4,3.2,4.0,5.0          |
| EP               | 2.4,3.2,4.0              |
| EP               | 2.4,3.2,4.0,5.0          |
| EP               | 2.4,3.2,4.0,5.0          |
| EP               | 2.4,3.2,4.0              |

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| 材料名称<br>Name of Consumables     | 牌号 (型号)<br>Brand (Model) | 保护气体<br>Gas Shield                |
|---------------------------------|--------------------------|-----------------------------------|
| 实心焊丝<br>Solid Wire              | TM-50                    | CC <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TM-60                    | CC <sub>2</sub> (C <sub>1</sub> ) |
| 氩弧焊丝<br>TIG/MIG<br>Welding Wire | TIG-50                   | Ar                                |
|                                 | TGS-316                  | Ar                                |
|                                 | MIG-308L                 | Ar(M12)                           |
|                                 | TGS-308L                 | Ar                                |
|                                 | TGS-220                  | Ar                                |
|                                 | TM-70C                   | CC <sub>2</sub> (C <sub>1</sub> ) |
| 药芯焊丝<br>Flux Cored Wires        | TWE-711                  | CC <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TWE-712                  | CC <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TWE-711Ni                | CC <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TWE-811Ni                | CC <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TFW-308L                 | CC <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TFW-316L                 | CC <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TFW-309L                 | CO <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TWE-81K <sub>2</sub>     | CO <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TM-70C                   | CO <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TWE-110K <sub>3</sub>    | CO <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TFW-220                  | CO <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TWE-81K <sub>3</sub>     | CO <sub>2</sub> (C <sub>1</sub> ) |
|                                 | TWE-91K <sub>2</sub>     | CO <sub>2</sub> (C <sub>1</sub> ) |

| 极性<br>Polarity | 规格 (mm)<br>Specification |
|----------------|--------------------------|
| CEP            | 0.8,0.9,1.0,1.2,1.6      |
| CEP            | 1.0,1.2,1.6              |
| CEN            | 1.2,1.6,2.0,2.4,3.2      |
| CEN            | 1.6,2.0,2.4,3.2          |
| CEP            | 1.0,1.2,1.6              |
| CEN            | 1.6,2.0,2.4,3.2          |
| CEN            | 2.0,2.4,3.2              |
| CEP            | 1.2,1.4,1.6              |
| CEP            | 1.0,1.2,1.4,1.6          |
| CEP            | 1.6                      |
| CEP            | 1.2,1.4,1.6              |
| CEP            | 1.6                      |
| CEP            | 1.2,1.4,1.6              |
| CEP            | 1.6                      |
| CEP            | 1.2,1.6                  |
| CEP            | 1.2,1.6                  |
| CEP            | 1.2                      |
| CEP            | 1.2,1.4,1.6              |
| CEP            | 1.1,1.2,1.6              |
| CEP            | 1.2                      |
| CEP            | 1.2,1.4,1.6              |
| CEP            | 1.2                      |

备注/Remark: 兹证明产品 TS-308L, TW-308L, TFW-308L, TW-308L/TFS-300 满足-196°C 低温条件的要求/This is to certify that the TFW-308L, TW-308L/TFS-300 are satisfied with the requirements

W-308L/ TFS-300, MIG-308L, TGS-308L,

No. 21819928

证书编号/Certificate No.



证书编号/Certificate No.

position welding;  
position welding;  
welding;

Electrode Positive  
Electrode Negative



中国船级社上海分社  
CCS Shanghai Branch

