



# 中国机械工程学会无损检测分会

## The Chinese Society for Nondestructive Testing

ChSNDT-ZS-04

Issue



特此认可 Hereby Recognizes

李哈伦 Li Hanlun (身份证/ID) 371402198411032679

单位: (Employer) 德州联合石油科技股份有限公司

符合ISO9712-2021标准对于下列无损检测方法及其产品门类

has met the requirements of standard ISO9712-2021 related to the following NDT method and product sectors

无损检测 2 级的要求 as NDT Level 2



方法 Method	产品门类 Product Sectors	认证日期 Date of Certification	有效日期 Date of Expiry
磁粉(MT) B	焊缝(W)	2024年12月07日	2029年12月06日
磁粉(MT) G	锻件、板、型材(F, P)	2024年12月07日	2029年12月06日
磁粉(MT) G	铸件(C)	2024年12月07日	2029年12月06日

证书编号 Certificate No.: 37102124887MT

认证机构代表 Representative of Certification Body: 徐永昌

注释: (Notes)

1. 本证按照国际标准ISO9712-2021颁发, 版权归中国无损检测学会所有。This certificate is issued according to the International Standard ISO9712-2021, and remains the property of ChSNDT.
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3. 中国无损检测学会注册为国际无损检测委员会(ICNDT)互认协议(MRA)签约国, 在ICNDT MRA表2中确认。中国无损检测学会颁发的证书在注册有效期内得到ICNDT MRA 签约国认可。各签约国在ICNDT MRA表1中列出, 国际无损检测委员会网站[www.icndt.org](http://www.icndt.org) 会不断更新MRA表1表2的内容。The ChSNDT is registered under the ICNDT Multilateral Recognition Agreement(MRA), and registration is confirmed in Schedule 2 to the ICNDT MRA. Certificates issued by ChSNDT are recognised by the signatories to the ICNDT MRA so long as its registration remains valid. Signatories are listed in Schedule 1 to the ICNDT MRA. The current edition of the MRA, together with updated Schedules 1 and 2, is published at [www.icndt.org](http://www.icndt.org).

雇主(Employer): \_\_\_\_\_ 日期(Date): \_\_\_\_\_ 持证人(Certificate holder): \_\_\_\_\_ 日期(Date): \_\_\_\_\_



扫描全能王 创建

### 证书中产品门类的使用范围和符号说明

1. 超声 UT 分 4 个产品门类: 焊缝 W (Welds)、锻件 F (Forgings)、铸件 C (Castings)、管材 T (Tubes & Pipes)。  
超声 UT (TOFD) 分 1 个产品门类: 焊缝 W (Welds)。
2. 磁粉 MT (MPT) 分 4 个产品门类: 焊缝 W (Welds)、锻件 F (Forgings)、铸件 C (Castings)、管材 T (Tubes & Pipes)。证书中 f (Fluorescent) 表示考生仅考了荧光检测, nf (Non-Fluorescent) 表示仅考了非荧光检测; 如果没有标识, 表示考生考了荧光和非荧光两项。焊缝采用便携式 B (Portable) 检测, 锻件和铸件采用固定式 G (Fixed) 检测。  
漏磁 MT (FLT) 分 3 个产品门类: 焊缝 W (Welds)、锻件 F (Forgings)、铸件 C (Castings)。
3. 渗透 PT 分 4 个产品门类: 焊缝 W (Welds)、锻件 F (Forgings)、铸件 C (Castings)、管材 T (Tubes & Pipes)。证书中 f (Fluorescent) 表示考生仅考了荧光检测, nf (Non-Fluorescent) 表示仅考了非荧光检测; 如果没有标识, 表示考生考了荧光和非荧光两项。
4. 射线 RT 分 4 个产品门类: 焊缝 W (Welds)、锻件 F (Forgings)、铸件 C (Castings)、管材 T (Tubes & Pipes)。  
工业 CT/DR (Industry CT/DR) 分 2 个产品门类: 焊缝 W (Welds)、铸件 C (Castings)。  
RT 实时成像 RRTI (Real-time Image) 分 2 个产品门类: 焊缝 W (Welds)、铸件 C (Castings)。
5. 涡流 ET 分 4 个产品门类: 焊缝 W (Welds)、锻件 F (Forgings)、铸件 C (Castings)、管材 T (Tubes & Pipes)。
6. 目视 VT 分 4 个产品门类: 焊缝 W (Welds)、锻件 F (Forgings)、铸件 C (Castings)、管材 T (Tubes & Pipes)。  
目视 VT (DV) 直接目视, 指肉眼检测。  
目视 VT (IV) 间接目视, 指借助仪器设备检测。
7. 证书中 Issue 1 表示首次取证; Issue 2 表示延期证书。

### The Scope of the Product Sectors and Symbol Description on the Certificate

1. UT has 4 product sectors: W (Welds), F (Forgings), C (Castings), T (Tubes & Pipes).  
UT (TOFD) has 1 product sectors: W (Welds).
2. MT (MPT magnetic particle testing) has 4 product sectors: W (Welds), F (Forgings), C (Castings), T (Tubes & Pipes). The symbol "f" (Fluorescent) means the candidates only have the competence in testing fluorescent magnetic media and the symbol "nf" (Non-Fluorescent) means the candidates only have the competence in testing non-fluorescent magnetic media. If there is no special symbol means the candidates have the competence in testing both. The symbol "B" (Portable) means welds testing use portable equipment and the symbol "G" (Fixed) means forgings and castings testing use fixed installations.  
Magnetic Flux Leakage Testing MT (FLT) has 3 product sectors: W (Welds), F (Forgings), C (Castings).
3. PT has 4 product sectors: W (Welds), F (Forgings), C (Castings), T (Tubes & Pipes). The symbol "f" (Fluorescent) means the candidates only have the competence in testing fluorescent magnetic media and the symbol "nf" (Non-Fluorescent) means the candidates only have the competence in testing non-fluorescent magnetic media. If there is no special symbol means the candidates have the competence in testing both.
4. RT has 4 product sectors: W (Welds), F (Forgings), C (Castings), T (Tubes & Pipes).  
CT/DR (Industry CT/DR) has 2 product sectors: W (Welds), C (Castings).  
RRTI (Real-time Image) has 2 product sectors: W (Welds), C (Castings).
5. ET has 4 product sectors: W (Welds), F (Forgings), C (Castings), T (Tubes & Pipes).
6. VT has 4 product sectors: W (Welds), F (Forgings), C (Castings), T (Tubes & Pipes).  
VT (DV) means direct unaided visual tests and VT (IV) means indirect visual tests carried out with other instruments.
7. Issue 1 means initially issued certificate and issue 2 means renewal certificate.





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Issue1



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超声波(UT)	焊缝(W)	2023年10月10日	2028年10月09日
超声波(UT)	锻件(F)	2023年10月10日	2028年10月09日
超声波(UT)	管子, 管道(T)	2023年10月10日	2028年10月09日
超声波(UT)	铸件(C)	2023年10月10日	2028年10月09日

证书编号 Certificate No: 37102124887UT认证机构代表 Representative of Certification Body: 徐永昌

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