



Inspection  
TS EN ISO/IEC 17020  
AB-0005-M

## TÜRK LOYDU UYGUNLUK DEĞERLENDİRME HİZMETLERİ A.Ş.

Accreditation Nr: AB-0005-M  
Revision Nr: 24 Date: 28.12.2022

"Type A" Inspection Body

Address :  
EVLİYA ÇELEBİ MAH. TERSANELER CAD. GÜVENLİK NO:26  
TUZLA İstanbul / Türkiye

Phone : +902165813700  
Fax : +902165813800  
Email : info@turkloydu.org  
Website : www.turkloydu.org

### Process Systems

Inspection Field	Inspection Type	Standard / Specification
Metalic Materials Plates Pipes Casting	Manufacturing and Assembly Process Inspection	API 5L (ISO 3183) EN 10216 serisi EN 10217 serisi EN 10219 serisi EN 10224 EN 10311 EN 10216-1 EN 10217-1 EN 10208-2 ASTM A 106 ASTM A 252 EN 1090-2 AWS D1.1 AWS D1.2 AWS D1.5 AWS D1.6
Metallic Materials Plates Pipes Casting	• Evaluation of Materials and Certification	EN 10204 EN 10025 EN 10028 ASTM A serisi ASTM B serisi ASTM C serisi
Piping	Desing Inspection	ASME B31.1 ASME B31.3
Piping	Manufacturing and Assembly Process Inspection	ASME B31.1 ASME B31.3
Permanent Joining Welding	Evaluation of Procedures	ASME BPVC Sec. IX ASTM A488 EN ISO 15614-1 EN ISO 15614-2 EN ISO 15614-5 EN ISO 15614-6 EN ISO 15614-7 EN ISO 15614-8 EN ISO 15614-9 EN ISO 15614-11 EN ISO 15614-12 EN ISO 15614-13 EN ISO 15614-14 AWS D1.1 AWS D1.2 AWS D1.5 AWS D1.6 API 1104 EN 13134 EN ISO 14555
Pipe Lines	Manufacturing and Assembly Process Inspection	API 1104 ASME B31.8

 Inspection TS EN ISO/IEC 17020 AB-0005-M	<b>TÜRK LOYDU UYGUNLUK DEĞERLENDİRME HİZMETLERİ A.Ş.</b>	
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Containers Bulk Containers Manufacturing Process Controls and CSC Approval	Manufacturing Process Controls and CSC Approval Periodical Inspection	European Agreement Concerning the International Carriage of Dangerous Goods by Road, ADR Chapter 6.11 EN 10855-1 Türk Loydu Kuralları CSC Anlaşması ISO 1496 serisi

This document has been signed by Gülden Banu Müderrisoğlu on {1} with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.



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### Electrical Installation

Inspection Field	Inspection Type	Standard/Specification
6.A.1.1. Grounding Installation	6.A. Periodic Control	Regulation on Health and Safety Conditions in the Use of Work Equipment Regulation of Grounding of Electrical Installations
6.A.1.3. Lightning Protection	6.A. Periodic Control	Regulation on Health and Safety Conditions in the Use of Work Equipment Regulation of Grounding of Electrical Installations TS EN 62305-1 TS EN 62305-3
6.1.2 Measurement of Soil Resistivity	6.C. Initial Inspection	İş Ekipmanlarının Kullanımında Sağlık ve Güvenlik Şartları Yönetmeliği Elektrik Tesislerinde Topraklamalar Yönetmeliği

This document has been signed by Gülden Banu Müderrisoğlu on {1} with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.



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### Fire protection systems

Inspection Field	Inspection Type	Standard / Specification
5.A.1. Sprinkler Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.2. Fire Water Tank	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.3. Fire Pump Station	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.4. Fire Hydrant System	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.5. Fire Cabinet System	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.6. Water Spray Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.7. Water Mist Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.8. Foam Extinguishing Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.9. Portable Fire Extinguisher Placement	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.10. Detection Alarm Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.11. Clean Gas Automatic Extinguishing Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>



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5.A.12. CO2 Gas Automatic Extinguishing Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.13. Dry / Liquid Chemical Automatic Extinguishing Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.A.14. Emergency Lighting and Guidance Systems	5.A. Periodic Control	<ul style="list-style-type: none"><li>Regulation on Health and Safety Conditions in the Use of Work Equipment</li><li>Regulation on Fire Protection of Buildings</li></ul>
5.B.1. Sprinkler Systems	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.B.2. Fire Water Tank	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.B.3. Fire Pump Station	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.B.4. Fire Hydrant System

5.B. Design  
Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
TS EN 50172



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5.B.5. Fire Cabinet System	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.B.6. Water Spray Systems	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172





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5.B.7. Water Mist Systems

5.B. Design  
Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
TS EN 50172



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5.B.8. Foam Extinguishing Systems	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.B.9. Portable Fire Extinguisher Placement	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.B.10. Detection Alarm Systems

5.B. Design  
Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
TS EN 50172



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5.B.11. Clean Gas Automatic Extinguishing Systems	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.B.12. CO2 Gas Automatic Extinguishing Systems	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.B.13. Dry / Liquid Chemical Automatic Extinguishing Systems

5.B. Design Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
TS EN 50172



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5.B.14. Emergency Lighting and Guidance Systems	5.B. Design Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.C.1. Sprinkler Systems	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.C.2. Fire Water Tank

5.C. First Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
TS EN 50172



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5.C.3. Fire Pump Station	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.C.4. Fire Hydrant System	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172





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5.C.5. Fire Cabinet System

5.C. First Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
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5.C.6. Water Spray Systems	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.C.7. Water Mist Systems	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.C.8. Foam Extinguishing Systems

5.C. First Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
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5.C.9. Portable Fire Extinguisher Placement	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.C.10. Detection Alarm Systems	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.C.11. Clean Gas Automatic Extinguishing Systems

5.C. First Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
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5.C.12. CO2 Gas Automatic Extinguishing Systems	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172
5.C.13. Dry / Liquid Chemical Automatic Extinguishing Systems	5.C. First Inspection	Regulation on Fire Protection of Buildings TS EN 12845 NFPA 13 NFPA 14 NFPA 22 NFPA 25 NFPA 99 NFPA 1961 NFPA 1962 NFPA 1963 NFPA 1965 TS EN 671 serisi NFPA 15 NFPA 16 NFPA 1964 NFPA 750 NFPA 11 NFPA 10 TS ISO 11602 NFPA 72 TSE CEN/TS EN 54-14 NFPA 2001 TS EN 15004-1 TS ISO 14520 serisi NFPA 12 NFPA 17 NFPA 17A TS EN 12416-1 TS EN 12416-2 NFPA 170 TS EN 1838 TS EN 50172



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5.C.14. Emergency Lighting and Guidance Systems

5.C. First Inspection

Regulation on Fire Protection of Buildings  
TS EN 12845  
NFPA 13  
NFPA 14  
NFPA 22  
NFPA 25  
NFPA 99  
NFPA 1961  
NFPA 1962  
NFPA 1963  
NFPA 1965  
TS EN 671 serisi  
NFPA 15  
NFPA 16  
NFPA 1964  
NFPA 750  
NFPA 11  
NFPA 10  
TS ISO 11602  
NFPA 72  
TSE CEN/TS EN 54-14  
NFPA 2001  
TS EN 15004-1  
TS ISO 14520 serisi  
NFPA 12  
NFPA 17  
NFPA 17A  
TS EN 12416-1  
TS EN 12416-2  
NFPA 170  
TS EN 1838  
TS EN 50172

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Inspection Field	Inspection Type	Standard / Specification
<b>Load Transportation and Stock Units</b> · Terrestrial Storage Tanks (Vertical, Horizontal and Spherical tanks)	<b>Detection</b> Preparation of Vertical Cylindrical Tank Volume Capacity Table · Strapping Method · Optical Reference Method · Internal EODR Method · External EODR Method	ISO 7507-1 ISO 7507-2 ISO 7507-4 ISO 12917-1 ISO 12917-2 API 2555 API 2556 API 2552 API MPMS 2.8A C2 API MPMS 2.2A API MPMS 2.2B API MPMS 2 Sec.8
<b>Load Transportation and Stock Units</b> · Terrestrial Storage Tanks (Vertical, Horizontal and Spherical tanks)	<b>Detection</b> · Preparation of Horizontal Cylindrical Tank Volume Capacity Table · Preparation of Sphere Tank Volume Capacity Table · Preparation of Pipeline Volume Capacity Table · Tightness of Scuttles Test by Water (Host) Method · Tightness of Scuttles Test by Ultrasonic Method	ISO 7507-1 ISO 7507-2 ISO 7507-4 ISO 12917-1 ISO 12917-2 API 2555 API 2556 API 2552 API MPMS 2.8A C2 API MPMS 2.2A API MPMS 2.2B API MPMS 2 Sec.8

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Accreditation Nr: AB-0005-M  
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### Lifting and Conveying Machines

Inspection Field	Inspection Type	Standard / Specification
1.A.1.1. Overhead Travelling Crane	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.1.2. Portal Crane	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.1.4. Mobile Crane	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.1.5. Tower Crane	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.1.8. Container Crane	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.1.14. Portal Crane with Boom	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.1.15. Pedestal Crane with Boom	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.3.1. Mobile Elevating Work Platform	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.4. Car Lift	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.8. Pallet Truck	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.A.10. Forklift	1.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
1.B.1.1. Overhead Travelling Crane	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4



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1.B.1.2. Portal Crane	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.B.1.4. Mobile Crane	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.B.1.5. Tower Crane	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.B.1.8. Container Crane	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.B.1.10. Gantry and Pedestal Crane	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.B.1.14. Portal Crane with Boom	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4



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1.B.1.15. Pedestal Crane with Boom	1.B. Design Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.C.1.1. Overhead Travelling Crane	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.C.1.2. Portal Crane	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.C.1.4. Mobile Crane	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.C.1.5. Tower Crane	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.C.1.8. Container Crane	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4

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 <p>Inspection TS EN ISO/IEC 17020 AB-0005-M</p>	Accreditation Nr: AB-0005-M Revision Nr: 24 Date: 28.12.2022	
1.C.1.10. Gantry and Pedestal Crane	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.C.1.14. Portal Crane with Boom	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4
1.C.1.15. Pedestal Crane with Boom	1.C. Manufacturing and Assembly Process Control	Türk Loydu Rules FEM 1001 ISO/TR 16880 ISO/TR 25559 ISO/TR 27245 ISO/TR 19961 DIN 15018 ASME B30.24 ASME B30.4

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Inspection Field	Inspection Type	Standard/Specification
<ul style="list-style-type: none"><li>• Portable Pressure Equipment Used in Dangerous Goods Transportation</li><li>• Pressure Cylinders</li><li>• Rollers</li><li>• Gas Cartridges</li><li>• Tanks/Tank Container</li><li>• Scuba Gas Tankers/ Wagons</li><li>• Multi-element Gas Containers (MEGC) and their Valves and Accessories</li></ul>	<ul style="list-style-type: none"><li>• Type Approval</li><li>• First Inspection</li><li>• Periodic Inspections</li><li>• Interim Examinations</li><li>• Exceptional Controls</li><li>• Reassessment of Eligibility</li></ul>	<ul style="list-style-type: none"><li>• 2010/35/EU Portable Pressure Equipment Regulation, Part 3 Article 13 and Annex-III</li><li>• European Agreement on the Carriage of Dangerous Goods by Road ADR Chapters 6.2 and 6.8</li></ul>
Dangerous Goods Transportation Equipment  Portable Tanks, UN Certified Multi-element Gas Containers (UN-MEGC)	Type Approval First Inspection Periodic examination Interim Inspection Exceptional Controls	ADR (Bölüm 6.7), RID (Bölüm 6.7), IMDG Code (Bölüm 6.7)

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### Ships

Inspection Field	Inspection Type	Standard / Specification
Ship Materials and Equipment	<ul style="list-style-type: none"><li>Type Inspection and Approval</li><li>Design Check and Approval</li><li>Product Inspections and Approval</li></ul>	Türk Loydu Rules Flag State Rules IMO Conventions and Annexes -SOLAS 74 -MARPOL 73/78 -ICLL1966 -ICTM1969 -COLREG 1972 -AFS 2001 -BWM 2004 -Hong Kong International Convention, 2009 (Ship Recycling) IMO Kararları, Kodları ve Sirkülerleri ILO'nun 92, 133, 147, 152 ve MLC 2006 Sözleşmeleri IACS Kuralları (UR, PR, UI, CSR) IMO's Code for Recognized Organizations (IMO RO Code)
Ships in Service	Periodic Control	Türk Loydu Rules Flag State Rules IMO Conventions and Annexes -SOLAS 74 -MARPOL 73/78 -ICLL1966 -ICTM1969 -COLREG 1972 -AFS 2001 -BWM 2004 -Hong Kong International Convention, 2009 (Ship Recycling) IMO Kararları, Kodları ve Sirkülerleri ILO'nun 92, 133, 147, 152 ve MLC 2006 Sözleşmeleri IACS Kuralları (UR, PR, UI, CSR) IMO's Code for Recognized Organizations (IMO RO Code)
Newly Built Ships	Initial Inspection	Türk Loydu Rules Flag State Rules IMO Conventions and Annexes -SOLAS 74 -MARPOL 73/78 -ICLL1966 -ICTM1969 -COLREG 1972 -AFS 2001 -BWM 2004 -Hong Kong International Convention, 2009 (Ship Recycling) IMO Kararları, Kodları ve Sirkülerleri ILO'nun 92, 133, 147, 152 ve MLC 2006 Sözleşmeleri IACS Kuralları (UR, PR, UI, CSR) IMO's Code for Recognized Organizations (IMO RO Code)

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### Pressure Equipment Directive (2014/68/EU)

Product Family, Product / Intended Use	Inspection Type / Modules	Standards / Specification / Explanations
Pressure Equipment	Approval Of Permanent Joining Procedures	2014/68/EU Annex 1, 3.1.2
Pressure Equipment	Module A2: Internal production control plus supervised pressure equipment checks at random intervals	2014/68/EU Annex III

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## Boilers

Inspection Field	Inspection Type	Standard / Specification
3.A.1. Steam Boiler	3.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
3.A.2. Boiler for Buildings/Heating Boiler	3.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
3.A.3. Ironing Boiler	3.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
3.A.4. Hot Oil Boiler	3.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
3.A.5. Dyeing Boiler	3.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
3.A.6. Steaming Boiler	3.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
3.A.7. Hot Water Boiler	3.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
3.B.2. Heating Boilers	3.B. Design Control	EN 303 serisi EN 12953 serisi
3.B.5. Fired Boilers	3.B. Design Control	EN 303 serisi EN 12953 serisi
3.B.7. Shell Boilers	3.B. Design Control	EN 303 serisi EN 12953 serisi
3.B.8. Heating Boilers For Solid Fuels, Hand And Automatically Stocked, Nominal Heat Output Of Up To 300 kW	3.B. Design Control	EN 303 serisi EN 12953 serisi
3.C.2. Heating Boilers	3.C. Manufacturing and Assembly Process Control	EN 303 serisi EN 12953 serisi
3.C.5. Fired Boilers	3.C. Manufacturing and Assembly Process Control	EN 303 serisi EN 12953 serisi
3.C.7. Shell Boilers	3.C. Manufacturing and Assembly Process Control	EN 303 serisi EN 12953 serisi
3.C.8. Heating Boilers For Solid Fuels, Hand And Automatically Stocked, Nominal Heat Output Of Up To 300 kW	3.C. Manufacturing and Assembly Process Control	EN 303 serisi EN 12953 serisi





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### Risks From Explosive Atmospheres

Inspection Field	Inspection Type	Standards / Specification
Electrical Equipment and Installations Used in Explosive Environments	<ul style="list-style-type: none"><li>Checking the design, selection and assembly for compliance with the explosive atmosphere class</li><li>Verification of declared explosive atmosphere class</li></ul>	<ul style="list-style-type: none"><li>TS EN 60079-14</li></ul>

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### Pressure Equipment

Inspection Field	Inspection Type	Standard / Specification
2.A.2. Pressure Air Tanks	2.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
2.A.3. Compressor Air Tank	2.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
2.A.4. Hydrofor/Expansion Tank	2.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
2.A.5. Steam Generator	2.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
2.A.6. Boiler/Accumulation Tank	2.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
2.A.7. Liquefied Gas Tanks • 2.A.7.1. Overground Liquefied Gas Tanks • 2.A.7.2. Underground Liquefied Gas Tanks	• 2.A. Periodical Control (Only Inspection) • 2.A. Periodical Control (Re-evaluation)	Regulation on Health and Safety Conditions in the Use of Work Equipment
2.A.8. Cryogenic Tanks	2.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
2.B.1. Unfired Pressure Vessels	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.B.2. Low Pressure Storage Tanks	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.B.3. Unfired Pressure Vessels Designed To Contain Air Or Nitrogen	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000

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2.B.4. Transportable, Refillable, Brazed, Steel Cylinders For Liquefied Petroleum Gas (LPG)	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.B.5. Static Welded Steel Cylindrical Pressure Vessels, Serially Produced For The Storage Of Liquefied Petroleum Gas (LPG) Having A Volume Not Greater Than 13 m <sup>3</sup>	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.B.6. Welded Steel Pressure Vessels For LPG Road Tankers	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.B.8.1. Transportable Vacuum-Insulated Vessels	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.B.8.2. Tanks Isolated With Static Vacuum	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.B.8.3. Static Non-Vacuum Insulated Vessels	2.B. Design Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.C.2. Low Pressure Storage Tanks	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000



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2.C.1. Unfired Pressure Vessels	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.C.3. Unfired Pressure Vessels Designed To Contain Air Or Nitrogen	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.C.4. Transportable, Refillable, Brazed, Steel Cylinders For Liquefied Petroleum Gas (LPG)	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.C.6. Welded Steel Pressure Vessels For LPG Road Tankers	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.C.5. Static Welded Steel Cylindrical Pressure Vessels, Serially Produced For the Storage Of Liquefied Petroleum Gas (LPG) Having A Volume Not Greater Than 13 m <sup>3</sup>	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.C.8.1. Transportable Vacuum-Insulated Vessels	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
2.C.8.2. Tanks Isolated With Static Vacuum	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000

 <p>Inspection TS EN ISO/IEC 17020 AB-0005-M</p>	<b>TÜRK LOYDU UYGUNLUK DEĞERLENDİRME HİZMETLERİ A.Ş.</b>  Accreditation Nr: AB-0005-M Revision Nr: 24 Date: 28.12.2022
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2.C.8.3. Static Non-Vacuum Insulated Vessels	2.C. Manufacturing and Assembly Process Control	EN 13445 serisi EN 286-1 EN 1442 EN 12493 EN 12542 EN 13530 serisi ASME BPVC Sec VIII AD 2000
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### Atmospheric Storage Tanks

Inspection Field	Inspection Type	Standard / Specification
4.A.1. Atmospheric Storage Tanks • 4.A.1.1. Atmospheric, convex horizontal or vertical cylindrical, prismatic, steel or thermoplastic, open or closed hazardous liquid storage tank • 4.A.1.2. Atmospheric, vertical, cylindrical, above ground, steel welded, open or closed roof hazardous liquid storage tanks	4.A. Periodical Control	Regulation on Health and Safety Conditions in the Use of Work Equipment
4.C.1. Atmospheric Storage Tanks	4.C. Manufacturing and Assembly Process Control	API 650 API 620
4.B.1. Atmospheric Storage Tanks	4.B. Design Control	API 650 API 620

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### Non Destructive Testing

Inspection Field	Inspection Type	Standard / Specification
13. Non-Destructive Evaluation	13.C. Radiographic Inspection 13.C.V. Evaluation of Radiographic Films RT-FI	ASTM III Vol 03.03 ASME Sec. V API 5L ASTM E 446 ASME Sec. VIII ASME B 31.1 ASME B 31.3 ASME B 31.8 API 1104 AD 2000 HP 5/3 EN ISO 17636-1 EN ISO 17636-2 EN ISO 5817 EN ISO 10675-1 EN ISO 10893-6 EN ISO 10893-7
13. Non-Destructive Evaluation	13.D. Visual Inspection	ASME Sec. V ASME Sec. VIII ASME B 31.1 ASME B 31.3 API 5L API 1104 AD 2000 Code HP 5/3 EN ISO 5817 AWS D1.1 AWS D1.5 EN 17637
13. Non-Destructive Evaluation	13.E. Magnetic Particle Inspection	ASME Sec. V ASME Sec. VIII ASME B 31.1 ASME B 31.3 API 5L API 1104 AD 2000 HP 5/3 EN ISO 17638 EN ISO 23278 EN 1369 EN 10228-1 AWS D1.1 AWS D1.5 EN ISO 10893-5

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 <p>Inspection TS EN ISO/IEC 17020 AB-0005-M</p>		
13. Non-Destructive Evaluation	13.F. Liquid Penetrant Inspection	ASME Sec. V ASME Sec. VIII ASME B 31.1 ASME B 31.3 ASME 31.8 API 5L API 1104 AD 2000 Code 5/3 EN ISO 3452-1 EN ISO 23277 EN 10228-2 AWS D1.1 AWS D1.5 EN ISO 10893-4
13. Non-Destructive Evaluation	13.H. Ultrasonic Inspection 13.H.I. TOFD (UT-TOFD) 13.H.II. Phased Array (UT-PA) 13.H.III. Ultrasonic Inspection (UT)	ASME Sec. V ASME Sec. VIII ASME B 31.1 ASME B 31.3 API 5L API 1104 AD 2000 HP 5/3 AWS D1.1 AWS D1.5 EN 10160 EN 10228-3 ASTM A 435 EN ISO 11666 EN ISO 17640 EN ISO 23279 EN ISO 10893-8 EN ISO 10893-9 EN ISO 10893-10 EN ISO 10893-11 EN ISO 10893-12

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