



CERTIFICATE
Quality-assurance System for Material Manufacturer
Acc. to AD 2000-Merkblatt W0

TÜV
AUSTRIA

No: TAT-012 01 3474



Manufacturer : TORUN BAKIR ALAŞIMLARI METAL SAN. VE TİC. A.Ş.
GOSB İhsan Dede Cad. No:116
41480 Gebze/Kocaeli, TURKEY

In the Factory : TORUN BAKIR ALAŞIMLARI METAL SAN. VE TİC. A.Ş.
GOSB İhsan Dede Cad. No:116
41480 Gebze/Kocaeli, TURKEY

This is to certify that the manufacturer has implemented applies a QA System.

This QA System has been subjected to a specific assessment for material acc. to AD 2000-Merkblatt W0 and HP0 with regard to the materials mentioned within the scope of approval.

Approved: QM System according to EN 764-5, Para. 4.2 and AD 2000-Merkblatt W0

Type : Production of valve bodies made of wrought copper alloys, see Annex

The scope of this approval and other details are described in our Technical Report.


Base of certificate : Final Report No : 20141014-W0

The manufacturer disposes of the essential procedures and equipments as well as the required qualified personnel to ensure quality of manufacturing and testing the materials and products mentioned in the scope of approval.

This certificate was first issued on October 20, 2014. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

The validity of Certificate is limited to: October 19, 2017

On behalf of TÜV Austria Turk

Mr. Mustafa Sirin

Issued by



Mr. Fatih Cihan ÖNDER

Signed by

"The duplication of this document in parts is subject to the approval by TÜV AUSTRIA TURK"

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Annex to Certificate No: TAT-012 01 3474

Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD 2000-W0 respectively

Manufacturer					Work		Nationality	Date	Page No			
Company Name: Torun Bakir Alasimlari Metal San. ve Tic. A.Ş.					Gebze, Kocaeli, Turkey		TURKEY	20.10.2014 Rev.00	1/1			
Location: GOSB Ihsan Dede Cad. No:116 41480 Gebze/Kocaeli, Turkey									TÜV Austria Turk			
Cur	Materials Term Materials No	Material specification	Delivery Cond.*	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
1	2	3	4	5	from 6a	Up to 6b	from 7a	Up to 7b	8a	8b	9	10

The use of the materials according to DGR 97/23/EC is bound to the publication of Harmonised European Standard sor to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, ANFOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed fort he use of material grades listed in column 2 to 4.

1	CW614N/CuZn39Pb3	DIN EN 12164	M	Forged valve body	6	63,5	2	30	AD 2000-W 6/2
2	CW617N/CuZn40Pb2	DIN EN 12164	M	Forged valve body	6	63,5	2	30	AD 2000-W 6/2
3	CW509L/CuZn40	DIN EN 12164	M	Forged valve body	6	63,5	2	30	AD 2000-W 6/2
4	CW614N/CuZn39Pb3	DIN EN 12165	M	Forged valve body	6	140	2	30	AD 2000-W 6/2
5	CW617N/CuZn40Pb2	DIN EN 12165	M	Forged valve body	6	140	2	30	AD 2000-W 6/2
6	CW509L/CuZn40	DIN EN 12165	M	Forged valve body	6	140	2	30	AD 2000-W 6/2
7	CW614N/CuZn39Pb3	DIN EN 12167	M	Forged valve body	8	130	2	30	AD 2000-W 6/2
8	CW617N/CuZn40Pb2	DIN EN 12167	M	Forged valve body	8	130	2	30	AD 2000-W 6/2
9	CW509L/CuZn40	DIN EN 12167	M	Forged valve body	8	130	2	30	AD 2000-W 6/2

Remarks
AT: solution treated
N: normalized or normalizing formed
SR: stres relieved
M: as manufactured, see EN 12164/12165/12167
AR: not treated
QT: quenched and tempered
NT: normalized and tempered
S: soft annealed
a: material
b: delivery condition
c: article
d: dimensions in tech. regulations
e: weight
f: no. of tech regulation

