

Wieland-Werke AG D-89079 Ulm

Wieland Delari S.r.l
Via Palazzo 8/C
24047 TREVIGLIO BG
ITALIEN

Loading area/ No. : **66/20730000**
Lot No. : 44512949
Please contact : Mrs Romo Jimenez
Telephone : 0731 944- 1271
Fax No. : 0731

Your order No. : PO24-000246
Date : 11.03.2024
Your fax No. :

Order confirmation No. : 12415223 004
Inspection lot No. : 890001756782
Our delivery note No. : 83392330 040
Quantity delivered : 200,000 M
Date : 15.03.2024

Inspection certificate 3.1 as per EN 10204 : 2004

Product:
547 SANCO® Water tube (coils)
Material:
Wieland K20 CU-DHP
Specification:
RAL-GZ 641 GruppeA + DVGW

Revision/Date of issue:
RAL_9/18+DVGW_7/09

Dimensions:
Dim A: 15,000 mm
Dim B:
Dim C: 1,000 mm
Dim D: 50.000,00 mm
Temper: 200 soft
R220

WIELAND R-H-1050 Vers. 1 18.03.2021
KIWA BRL K760 01.12.2018
AENOR
EN 1057
KIWA BRL-K760
R-H-1050
TRR100

Remarks:
Your material code No. : 434615100&

Chemical composition as per 2.2 EN 10204 : 2004

Test method	Unit	Measured	Specified / Reference (R)		Spec
			Min.	Max.	

The sum of the other elements corresponds to what is specified in the chemical standard.

CU	Cu Copper	%	99,9720	99,9000	
P	P Phosphorus	%	0,0224	0,0150	0,0400

Hersteller-
kenn-
zeichen:



Vorstand:
Dr. Erwin Mayr, Vorsitzender
Gregor Tschernjavski

Vorsitzender des Aufsichtsrates:
Fritz-Jürgen Heckmann
Sitz der Gesellschaft: Ulm
Registergericht Ulm, HRB 1256
St.-Nr. 88004/76900
USt-IdNr.: DE811147730

Mechanical testing

	Parameter tested	Unit	Measured		Specified / Reference (R)		Spec (No.)
			Min.	Max.	Min.	Max.	
RM	Tensile strength Rm	MPa		248	220		(1)
A	Elongation A	%		56,4	40,0		(1)

Further inspections

	Parameter tested	Unit	Measured		Specified / Reference (R)		Spec (No.)
			Min.	Max.	Min.	Max.	
WS	Eddy current test 100%			Result good			(2)
AWPR30	Expansion test >30%			Result good			(1)
IC	Carbon content test	mg/dm ²		0,03		0,10	(1)

Method of control of dimensions

	Parameter tested	Unit	Measured		Specified / Reference (R)		Spec (No.)
			Min.	Max.	Min.	Max.	
DRMAMW	Mean outside diameter	mm	14,985	14,985	14,960	15,040	(2)
DRMAUR	Outside diameter incl out-of-roundness	mm	14,910	15,060	14,550	15,450	(2)
WDIMU	Wall thickness incl. eccentricity	mm	0,870	0,950	0,870	1,130	(2)
UGW	Eccentricity	%	3,3	4,4		7,0	(2)
LG	Length	mm	50060,00	50060,00	50000,00	50500,00	(2)

Products according to RAL-GZ 641 GruppeA + DVGW are in compliance of the Pressure Equipment Directive PED 2014/68/EU.
Approval letter from TÜV Süd is available. Countersignature is omitted.

Attestation of conformity

As manufacturer we declare that the products described herein comply with the specifications agreed with the purchaser, with the above-mentioned standards, descriptions, quantity and the data indicated in this certificate.

These products have been manufactured to our certified quality system. Our quality system is subjected to regular inspection by SGS (reg.no. DE21/819945125 and DE21/819945126).

The results of the chemical analysis and of the mechanical-technological and physical tests have been determined by our test laboratory which has been certified.

Tobias Partl (Inspection Representative)
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Computer-generated inspection certificate