

INSPECTION CERTIFICATE according to EN10204 3.1

B 2457 H4

Date:
31-01-2022

Description:	Terminal	Order No:	
Order No/Ref:		Alloy - Temper:	1070 - 99
Mark:		Norm Specification:	CuZn30R470
Part No:	B 2457 H4	Our part no:	B 2457 H4
		Net weight:	4044 kg

CHEMICAL COMPOSITION

	Coil	Al min/max	Cu min/max	Fe min/max	Ni min/max	Pb min/max	Sn min/max
Specified values:		0 / 0,020 ✓	69,0 / 71,0 ✓	0 / 0,050 ✓	0 / 0,10 ✓	0 / 0,050 ✓	0 / 0,050 ✓
Actual values:	296082B01	0 / 0,001 ✓	69,3 / 69,6 ✓	0,012 / 0,013 ✓	0 / 0 ✓	0,004 / 0,004 ✓	0,026 / 0,027 ✓
	296082B02	0 / 0,001 ✓	69,3 / 69,6 ✓	0,012 / 0,013 ✓	0 / 0 ✓	0,004 / 0,004 ✓	0,026 / 0,027 ✓

	Coil	Zn min/max
Specified values:		29,0 / 31,0
Actual values:	296082B01	Remainder
	296082B02	Remainder

DIMENSIONAL REQUIREMENTS

	Coil	Bare Strip Thickness min/max (mm)	x	s	n	Width min/max (mm)
Specified values:		0,775 / 0,795 ✓				34,80 / 35,00 ✓
Actual values:	296082B01	0,784 / 0,792 ✓	0,788	0,0011	461	34,90 / 34,93 ✓
	296082B02	0,784 / 0,792 ✓	0,788	0,0011	461	34,89 / 34,94 ✓

MECHANICAL PROPERTIES

	Coil	Conductivity (MS/m) min/max	Grainsize (mm) max	Hardness (Vickers) max	Tensile strength (N/mm ²) min/max	Yield (0,2%) (N/mm ²) min	Edgewise (mm/m ²) max
Specified values:		(16,00) ✓	0,015 ✓		470 / 530 ✓	430 ✓	3,0 ✓
Actual values:	296082B01	16,24 / 16,24 ✓	0,004 ✓	160	491 / 493 ✓	430 ✓	0,5 ✓
	296082B02	16,24 / 16,24 ✓	0,004 ✓	160	491 / 493 ✓	430 ✓	0,5 ✓

Values between brackets are for reference only

MECHANICAL PROPERTIES

	Coil	Elongation (A10) (%) min/max	Roughness Rz μ (m)	Burr (μ m)
Specified values:		15,0 / 0 ✓	0 / 2,5 ✓	0 / 40
Actual values:	296082B01	23,0 / 23,0 ✓	1,5 / 1,5 ✓	0 / -
	296082B02	23,0 / 23,0 ✓	1,5 / 1,5 ✓	0 / -

acceptance certificate 3.1 acc DIN EN 10204

Fb 101 101

customer

partname

partnumber B 2457 H4

surface treatment Sn matt 3 µm

material CuZn30

examination base

date of production

: 05.08.2021

test results

charge	layer Sn in µm				layer in µm				n= 100
	min	max	\bar{x}	s	min	max	\bar{x}	s	
1	4,48	6,38	5,11	0,67					0
2									0
3									0
4	5,15	6,28	5,56	0,38					0
5									0
6									0
7	4,29	6,12	5,30	0,58					0
8									0
9									0
10	3,52	6,59	4,93	0,68					0

Measurement methode(s): XRF acc. DIN EN ISO 3497

measurement point(s):

- 1) visual assessment : m= Charge, n= 100, i. O.
- 2) layer (sample size) : m=3, Charge, n= 10
- 3) adhesion: bent test : n= Charge, n= 5, i. O.
- 4) special tests: packing : i. O.

Kat.: 594

It is confirmed that the delivery was checked and corresponds to the agreements at the order.

remark(s):

quantity of delivery:

quantity of extradiation:

date:

12.08.2021