

MB-OF 101 CERTIFIED/ Cu-OFE BOLZEN & WALZPLATTEN BILLETS & CAKES

BEZEICHNUNG

Sauerstofffreies, hochreines Kupfer für spezielle Anwendungen.

DESIGNATION

Oxygen-free copper with high purity for special applications.

CHEMISCHE ZUSAMMENSETZUNG CHEMICAL COMPOSITION

PARAMETER	EN 1976:2012 CU-OFE (CR009A)	ASTM B170 OFE (C10100)	GARANTIEWERTE GUARANTEED VALUES	TYPISCHE WERTE CHARACTERISTICS
Cu	≥ 99,99 %	≥ 99,99 %	≥ 99,99 %	≥ 99,997 %
Ag	≤ 25 ppm	≤ 25 ppm	≤ 25 ppm	10 ppm
As	≤ 5 ppm	≤ 5 ppm	≤ 3 ppm	< 1 ppm
Bi	≤ 2 ppm	≤ 1 ppm	≤ 1 ppm	< 0,5 ppm
Cd	≤ 1 ppm	≤ 1 ppm	≤ 1 ppm	< 0,5 ppm
Fe	≤ 10 ppm	≤ 10 ppm	≤ 10 ppm	< 3 ppm
Mn	≤ 5 ppm	≤ 0,5 ppm	≤ 3 ppm	< 1,5 ppm
Ni	≤ 10 ppm	≤ 10 ppm	≤ 5 ppm	< 1,5 ppm
O	-	≤ 5 ppm	≤ 8 ppm	≤ 5 ppm
P	≤ 3 ppm	≤ 3 ppm	≤ 3 ppm	1,5 ppm
Pb	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	< 2 ppm
S	≤ 15 ppm	≤ 15 ppm	≤ 15 ppm	8 ppm
Sb	≤ 4 ppm	≤ 4 ppm	≤ 3 ppm	< 1 ppm
Se	≤ 2 ppm	≤ 3 ppm	≤ 2 ppm	< 1 ppm
Sn	≤ 2 ppm	≤ 2 ppm	≤ 2 ppm	< 1 ppm
Te	≤ 1 ppm	≤ 2 ppm	≤ 1 ppm	< 0,5 ppm
Zn	≤ 1 ppm	≤ 1 ppm	≤ 1 ppm	< 1 ppm
Beständigkeit gegen Wasserstoffversprödung Resistance against hydrogenembrittlement	ja yes	ja yes	ja yes	ja yes
Elektrische Leitfähigkeit Electric conductivity	≥ 101 % IACS ≥ 58,58 MS/m	≥ 101 % IACS ≥ 58,58 MS/m	≥ 101 % IACS ≥ 58,58 MS/m	≥ 101,5 % IACS 58,9 MS/m

VERGLEICH MIT INTERNATIONALEN NORMEN COMPARISON WITH INTERNATIONAL STANDARDS

NORM REGELWERK STANDARD	BEZEICHNUNG NAME
EN 1976:2012	Cu-OFE (CR009A)
ASTM B170	C10100