

Standards

Name	Code	Standards
Non-ferrous metals, including rare, and their alloys	B51	GOST 546-2001, GOST 859-2001, GOST 859-2014

Chemical composition

GOST 546-2001 specifications

Standard	Cu	Bi	Se	Te	Sb	As	P	Pb	S	Sn	Ni	Fe	Zn	O
M00k	99.99	≤0.0002	≤0.0002	≤0.0002	≤0.0004	≤0.0005	-	≤0.0005	≤0.0015	-	-	≤0.001	-	0.01

Standard	Cu	Bi	Se	Te	Sb	As	P	Pb	S	Sn	Ni	Fe	Zn	O
M0k	99.97	≤0.0005	-	-	≤0.001	≤0.001	≤0.001	≤0.001	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	0.015

Standard	Cu	Bi	Se	Te	Sb	As	P	Pb	S	Sn	Ni	Fe	Zn	O
M1k	99.95	≤0.001	-	-	≤0.002	≤0.002	≤0.002	≤0.003	≤0.004	≤0.002	≤0.002	≤0.003	≤0.003	0.02

GOST 859-2001 specifications

Standard	Cu	S	Fe	As	Sb	Pb	Bi	Se	O	Ag	Te
M00k	99.99	≤0.0015	≤0.001	≤0.0005	≤0.0004	≤0.0005	≤0.002	≤0.002	≤0.01	≤0.002	≤0.002

Standard	Cu	S	P	Ni	Fe	As	Zn	Sn	Sb	Pb	Bi	O	Ag
M0k	99.97	≤0.002	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.0005	≤0.015	≤0.002

Standard	Cu	S	P	Ni	Fe	As	Zn	Sn	Sb	Pb	Bi	O	Ag
M1k	99.99	≤0.004	≤0.002	≤0.002	≤0.003	≤0.002	≤0.003	≤0.002	≤0.002	≤0.003	≤0.001	≤0.02	≤0.003

GOST 859-2014 specifications

Standard	Cu	Bi	Se	Te	Cr	Mg	Sb	Cd	As	P
M00k	99.99	≤0.0002	≤0.0002	≤0.0002	-	-	≤0.0004	-	≤0.0005	-

Pb	S	Sn	Ni	Fe	Si	Zn	Co	Ag
≤0.0005	≤0.0015	-	-	≤0.001	-	-	-	≤0.0025

Notes:

According to GOST 859-2001, 2014 for M00k Brand Copper Cathode:

- ✓ the sum of the mass fractions of Bi + Se + Te ≤ 0.00030%,
- ✓ as well as the sum of Se + Te ≤ 0.00030%,
- ✓ the sum of the mass fractions of Cr + Mn + Sb + Cd + As + P ≤ 0.0015%,
- ✓ the sum of the mass fractions of Sn + Ni + Fe + Si + Zn + Co ≤ 0.0020%,
- ✓ the sum of the impurities (specified in the table, other than oxygen) ≤ 0.0065%.