



"GrayWolf" W.Szwaja

Dane kontaktowe (*contact information*)
tel. (*phone*): +48 34 3256023
fax: +48 34 3256023
e-mail: wojciech.szwaja@graywolf.pl
website: www.graywolf.pl

ul. Wawrzynowicza 8/10
42-218 Częstochowa
Polska (*POLAND*)
NIP (*EU VAT No.*):
PL5731127315
REGON: 241992561

Product Data Sheet

Copper oxide, black min. 99% CuO

(standard grade)

Appearance: black thin dust

Chemical formula: CuO

APPLICATIONS: oligo-element for agriculture, raw material for catalyst, raw material for production of pigments in ceramics, glass and plastics, raw material for fireworks.

CHEMICAL ANALYSIS:

CuO	min.	99	%
Cu	min.	79	%
Cu ₂ O	max.	0,1	%
Cl	max.	0,1	%
Cd	max.	1	ppm
As	max.	5	ppm
Hg	max.	5	ppm
Tl	max.	5	ppm
Zn	max.	500	ppm
Pb	max.	60	ppm
Fe	max.	800	ppm
Ni	max.	20	ppm
Mn	max.	20	ppm
Cr	max.	20	ppm
Ba	max.	10	ppm
SO ₄	max.	300	ppm



"GrayWolf" W.Szwaja

Dane kontaktowe (*contact information*)
tel. (*phone*): +48 34 3256023
fax: +48 34 3256023
e-mail: wojciech.szwaja@graywolf.pl
website: www.graywolf.pl

ul. Wawrzynowicza 8/10
42-218 Częstochowa
Polska (*POLAND*)
NIP (*EU VAT No.*):
PL5731127315
REGON: 241992561

Product Data Sheet

PHYSICAL PROPERTIES:

residue at 63 μm	ca 0,3 %
L.O.I. at 600 °C	max. 0,2 %
melting point	1326 °C
solubility:	undissolvable in hot and cold water; soluble in to solution of NH_4Cl and KCN
molecular weight	79,55
apparent relative density	2,5 \div 2,8 g/cm^3

PARTICLE SIZE ANALYSIS:

D (0,1) = 5 \pm 3 μm
D (0,5) = 16 \pm 3 μm
D (0,9) = 33 \pm 3 μm

PACKAGING: 20 kg or 25 kg bags, 500 kg or 1000 kg big-bags

All the indications provided in this technical data sheet are purely approximate and not binding for legal purpose. The data sheet has been gathered from laboratory tests. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product. Our supplier reserves the right to change the contents of this mechanical data sheet on its final judgments. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.