

SELF-DECLARED ENVIRONMENTAL CLAIM

(TYPE II ENVIRONMENTAL LABEL)

concerning
environmental aspects and potential life cycle impact

copper rod Cu-ETP-8-CL

PRODUCER:

KGHM Polska Miedź S.A.

Division Cedynia Wire Rod Mill in Orsk

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BACKGROUND INFORMATION:

Date of the study: 10.03.2023

Normative reference: PN-EN ISO 14001:2015

Prepared on the basis of: results of the LCA environmental life cycle assessment study*

Method LCIA: EF 3.0 Method (adapted) V1.03 / EF 3.0 normalization and weighting set

Analysis scope: from cradle to gate

Type of analysis: self-declared environmental claim (#3.1.16 PN-EN ISO 14021:2016-06)

Declared product life: 10 years

Functional unit: 1 ton of copper rod Cu-ETP-8-CL

* Report on the study; MEERI PAS; Cracow 2023

INPUTS AND OUTPUTS FOR PRODUCTION OF 1 TON COPPER ROD Cu-ETP-8-CL

	AMOUNT	UNIT
PROCESS INPUTS		
<i>Electricity</i>	0.23	GJ
<i>Natural gas</i>	43.98	m ³
<i>Industrial water</i>	0.44	m ³
<i>Copper cathode</i>	1002.23	kg
PROCESS OUTPUTS		
<i>Emission CO₂</i>	64.79	kg

POTENTIAL ENVIRONMENTAL IMPACT OF 1 TON OF COPPER ROD Cu-ETP-8-CL
 CHARACTERIZED RESULTS OF IMPACT CATEGORY INDICATORS

IMPACT CATEGORY	AMOUNT	UNIT
CLIMATE CHANGE	2288.10	kg CO ₂ eq
ACIDIFICATION	13.45	mol H ⁺ eq
EUTROPHICATION (FRESHWATER)	0.19	kg P eq
OZONE DEPLETION	0.00022	kg CFC11 eq
PHOTOCHEMICAL OXIDATION	6.44	kg NMVOC
RESOURCE USE, MINERALS AND METALS	0.49	kg Sb eq
RESOURCE USE, FOSSIL	30075.74	MJ
WATER USE	2117.03	m ³ depriv.



ENVIRONMENTAL CERTIFICATE

Mineral and Energy Economy Research Institute of Polish Academy of Sciences
certifies that

KGHM Polska Miedź SA
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in terms of
copper rod Cu-ETP-8-CL


identifies environmental aspects and assesses potential environmental impacts using a Life
Cycle Thinking (LCT)
taking into account
PN-EN ISO 14040:2009 and PN-EN ISO 14044:2009

results communicate a
SELF-DECLARED ENVIRONMENTAL CLAIM
(TYPE II ENVIRONMENTAL LABEL, PN-EN ISO 14021:2016)
being an integral part of this certificate

Date of issue: 10.03.2023
Due date: 10.03.2026


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