

SELF-DECLARED ENVIRONMENTAL CLAIM

(TYPE II ENVIRONMENTAL LABEL)

KGHM Polska Miedź S.A. gold (bars)



This document contains an environmental footprint declaration based on the results of a life cycle assessment (LCA) of gold produced by KGHM Polska Miedź S.A., drawn up in accordance with ISO 14040 and ISO 14044 and the principles set out in ISO 14025.

General information

Product name	gold (bars)
Declared unit	1 kg of gold bars
Manufacturer	KGHM Polska Miedź S.A.
Production plant	KGHM Polska Miedź S.A., Głogów Copper Smelter Branch
Life cycle assessment (LCA)	SimaPro 10.3.0.1 Developer, Ecoinvent v. 3.12
Contractor carrying out the analysis	Institute of Mineral Resources and Energy Management, Polish Academy of Sciences, Kraków
Publication date	30 June 2026
Period covered by the analysis	2024
Verifier	Silk Road Certification Sp. z o.o.
Type of review	Critical review in accordance with ISO 14044

Methodology and scope

Standards/guidelines applied : The assessment was carried out in accordance with ISO 14040 (ISO 14040:2021 Environmental management — Life cycle assessment — Principles and framework) and ISO 14044 (ISO 14044:2021 Environmental management — Life cycle assessment — Requirements and guidelines)

LCIA method: EF 3.1 Method (adapted) V1.05 / EF 3.1 normalisation and weighting set

Functional unit: 1 kg of gold bars

System boundaries: A 'cradle-to-factory-gate' analysis of gold production, covering mining, beneficiation, transport, smelting, refining and associated processes.

Does not include packaging, subsequent use or end-of-life.

Allocation procedures:



Product

Product description	Gold in the form of bars
Minimum gold content	99.99%
Form	Bars weighing approx. 0.5 kg, 1 kg, 4 kg, 6 kg, 12 kg
Purity of the material	total impurities max. 100 ppm
Feedstock	Anodic sludge produced in the Precious Metals Division during the electrolytic refining of silver.

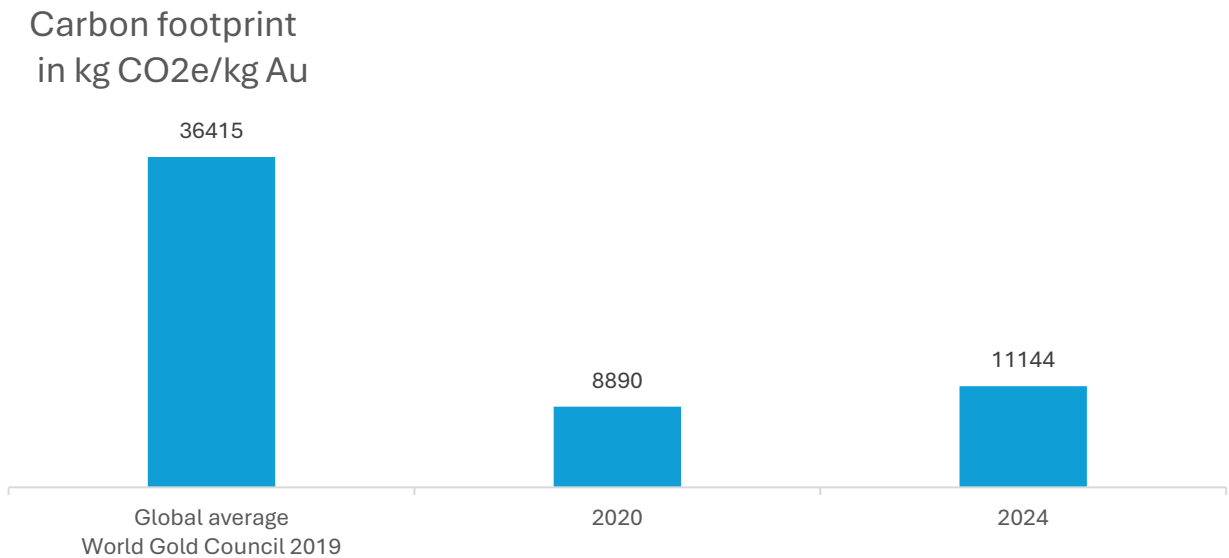
POTENTIAL ENVIRONMENTAL IMPACT

1 KILOGRAMME OF GOLD (BARS)

CHARACTERISED RESULTS OF IMPACT CATEGORY INDICATORS

IMPACT CATEGORY (EN)	QUANTITY	UNIT
CLIMATE CHANGE	11,143.627	kg CO ₂ eq
ACIDIFICATION (EXCLUDING FATE)	69.45343	mol H ⁺ eq
EUTROPHICATION, FRESHWATER	0.96580989	kg P eq
OZONE DEPLETION	0.00028433117	kg CFC-11 eq
PHOTOCHEMICAL OXIDATION	34.883346	kg NMVOC
RESOURCE USE, MINERALS AND METALS	0.74928684	kg Sb eq
RESOURCE USE, FOSSIL	144,538.440	MJ
WATER USE	6702.6015	m ³ depriv.

Carbon footprint – improvement and comparison with the global average



World Gold Council, Gold and Climate change: current and future impacts, October 2019

Additional environmental information

KGHM Polska Miedź S.A., HM Głogów Branch, holds Integrated Management System certificates confirming compliance with the requirements of the following standards: ISO 9001, ISO 14001, ISO 45001, ISO 50001 and ISO 22301 in relation to the products manufactured and processes carried out. The Głogów Copper Smelter Branch also holds Copper Mark certification. All our certificates are available at: www.kghm.com

Verification

Type of verification	Critical review in accordance with ISO 14040 (2021) and ISO 14044 (2021)
Verifier	Elżbieta Jezieniecka-Baryluk Silk Road Certification Sp. z o.o. 17 Lubieniecka Street 44-102 Gliwice
Date of verification	30 June 2026

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