

SELF-DECLARED ENVIRONMENTAL CLAIM

(TYPE II ENVIRONMENTAL LABEL)

KGHM Polska Miedź S.A. silver (granules)



This document contains an environmental footprint declaration based on the results of a life cycle assessment (LCA) of silver 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	silver (granules)
Declared unit	1 kg of silver (granules)
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)

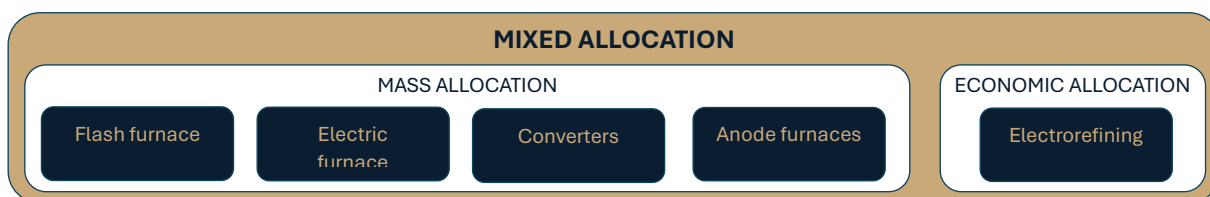
LCIA method: EF 3.1 Method (adapted) V1.05 / EF 3.1 normalisation and weighting set

Functional unit: 1 kg of silver (granules)

System boundaries: A 'from source to plant gate' analysis of electrolytic silver 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	Silver in granule form
Minimum Ag content	99.99%
Dimensions	Diameter: max. 20 mm
Material purity	Total impurities: max. 100 ppm
Feedstock	Anode slime produced at KGHM Polska Miedź S.A. smelters during the electrolytic refining of copper.
Packaging	25 kg or 500 kg bags (polypropylene bags lined with PVC film). For larger quantities, the goods may be stacked on wooden pallets

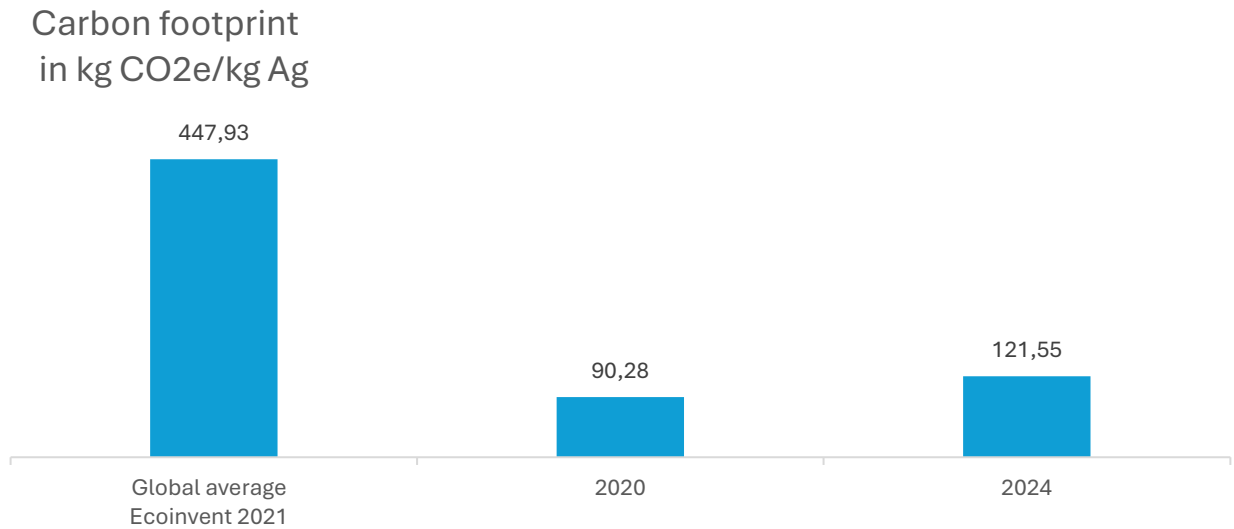
POTENTIAL ENVIRONMENTAL IMPACT

1 KILOGRAM OF SILVER (GRANULES)

CHARACTERISED RESULTS OF IMPACT CATEGORY INDICATORS

IMPACT CATEGORY (EN)	QUANTITY	UNIT
CLIMATE CHANGE	121.55489	kg CO ₂ eq
ACIDIFICATION (FATE NOT INCLUDED)	0.51743	mol H ⁺ eq
EUTROPHICATION, FRESHWATER	0.01145	kg P eq
OZONE DEPLETION	0.0000035	kg CFC-11 eq
PHOTOCHEMICAL OXIDATION	0.41238	kg NMVOC
RESOURCE USE, MINERALS AND METALS	0.00931	kg Sb eq
RESOURCE USE, FOSSIL	1736.9048	MJ
WATER USE	82.57534	m ³ depriv.

Carbon footprint – improvement and comparison with the global average



Global average - Ecoinvent, 2021 database

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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