

Environmental Product Declaration





In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

Kitchen mixer Azur Zero, Lead free, a-collection

from

Ahlsell AB



Programme
Programme operator
EPD registration number
Publication date
Valid until

EPD International AB
The International EPD® System
EPD IES 0016696
2024 09 23
2029 09 22

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

This EPD covers multiple products and is based on the results of the representative product.







General Information

Programme info	rmation
Programme	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website	www.environdec.com
E-mail	info@environdec.com

Accountabilities for	r PCR, LCA and independent, third-party verification
Product Category	Construction products (EN 15804:A2)
Rules (PCR)	PCR 2019:14 Construction products (EN 15804:A2) (1.3.4)
Life Cycle Assessment (LCA)	Carbonzero AB
	Independent third-party verification of the declaration and data, according to ISO 14025:2006:
	✓ EPD process certification
Third-party	Vladimír Kocí, LCA Studio
verification:	CA Studio da
	Approved by: The International EPD® System
Procedure for follow	v-up of data during EPD validity involves third party verifier: ☐ Yes 🗸 No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.





Company informati	on
Owner of the EPD	Ahlsell AB
Contact	Ekatherine Lagovardos
Description of the organisation	Ahlsell AB is present where people reside, work, and live their lives. Ahlsell AB is currently the Nordic region's leading community-building distributor of installation products, tools, and supplies for installation, construction, real estate management, industrial and power companies, and the public sector. With around 7,500 employees, 300 stores, e-commerce, and four central warehouses, we are working daily to achieve our vision of building a more sustainable society.
Product-related or management system-related certifications:	ISO 9001 & ISO 14001
Name and location of production site(s):	Name of plant: Hallsberg Location: Sweden

Product information	n
Product name(s)	AZUR ZERO KITCHEN MIX.2 CHROME 3, SIDE HANDLE, DWV, LEAD-FREE
Product description:	Kitchen mixer Azur Zero, Lead Free. Available in Chrome and Black.
RSL	16 years
UN CPC code	42911 - Sinks

LCA information	
Functional unit / declared unit	1 kg of Product
Time representative-ness	Data obtained refers to the year 2023
System Boundary	The system boundaries are set to be "cradle-to-gate" with modules A4, C1-C4 + D for end of life.
Database(s) and LCA software used	Eando X version 1.01



Benefits

D

THE INTERNATIONAL EPD® SYSTEM

including packaging material. Transport to the manufacturer This module includes all resources used to produce and waste produced. This a includes additives and packaging material. Transport Transport Transport because transported to the manufacturing site. Transport Transportation from the manufacturing site to distribution centre and then from a distribution centre to the building site is included. Transport Scenario truck: 350km Construction installation This stage is not declared, except for the GWP-biogenic arising from packaging that leaves the system boundary, which is balanced in this module. Use stage This stage is partially declared only B6 and B7. Deconstruction/Dem olition This stage includes the de-construction and/or demolition of the building. This is not relevant as the product included in this study is not used in the construction process. Transport This stage represents the transport distance to the waste processing facility. Waste processing This stage includes any waste treatment needed. EOL Scenario Landfill 10.07%. Incineration 1.68%. Recycling 88.25%.								. 5 0.0.20
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EOL Scenario Landfill 10.07%. Incineration 1.68%. Recycling 88.25%.	22	Waste pro	ocessing	This stage includ	les any waste tro	eatment needed		
4 Final disposal This includes any material that is landfilled.	,3	EOL Scen	ario L	andfill 10.07%.	Incineration 1.68	%. Recycling 88	.25%.	
	24	Final disp	osal	This includes an	y material that is	landfilled.		

^{*} If purchased electricity used in the manufacturing process of module A3 accounts for more than 30% of the GWP-GHG results of modules A1-A3, the EPD shall declare the energy source behind the purchased electricity and its climate impact as kg CO2 eq./kWh. This information can be found in the end of the EPD.

Emission credits obtained from energy recovery and/or recycling materials





Modules declared, geographical scope, share of specific data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Pro	duct st	tage	Asse sto	mbly ige			U	se sta	ge			Er	nd of li	fe sta	ge	Benefits & loads beoyond system boundary
	Raw Materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery - Recycling-potential
	A1	A2	АЗ	A4	A5*	В1	B2	ВЗ	В4	В5	В6	В7	C1	C2	C3	C4	D
Declared	Х	Х	Х	X	Χ	ND	ND	ND	ND	ND	Χ	X	Χ	X	Χ	X	X
Geography	CN	GLO	SE	EU	EU	-	-	-	-	-	EU	EU	EU	EU	EU	EU	EU
Specific data used		> 90 %)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation- Products		< 10 %	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation- Sites		0 %		-	-	-	-	-	-	-	-	-	-	-	-	-	-

ND – Not Declared; X – Declared

Reading example: $9.0E-03 = 9.0*10^3 = 0.009$

^{*} Module A5 is only partially declared, GWP biogenic arising due to packaging material in A1-A3 stages are balanced in A5 where it exits the product system boundary.





Content Information

Product Components	Weight, kg	Post- consumer material, weight-%	Biogenic material, weight- % and kg C/kg
Metal	0.954	0.000	0.000
Plastic	0.043	0.000	0.000
Chemicals	0.001	0.000	0.000
Rubber	0.002	0.000	0.000
Total	1.000	0.000	0.000

Packaging Materials	Weight, kg	Weight- % (versus the product)	Weight biogenic carbon, kg C/kg
Packaging Paper	0.011	1.124	0.005
Corrugated board	0.076	7.561	0.034
Carton	0.066	6.575	0.000
Total	0.153	15.261	0.038

Dangerous substances from the candidate list of SVHC for Authorisation	EC No.	CAS No.	Weight- % per functional or declared unit
-	-	-	0.000

At the date of issue of this declaration, there is no "Substance of Very High Concern" (SVHC) in concentration above 0.1% by weight, and neither does the packaging, following the European REACH regulation (Registration, Evaluation, Authorization and Restriction of Chemicals)





Environmental Information

Potential environmental impact – indicators according to EN 15804+A2

hange; ODP = ints reaching Accumulated tion for fossil	and land use caction of nutrie action potential. = Abiotic deplet	rtential land use tion potential, fr rial = Eutrophico rces; ADP-fossil nption	al Warming Po r = Eutrophicat ent; EP-terrestı on-fossil resour d water consun	YP-luluc = Glob EP-freshwate end compartm potential for no cation-weighted	ial biogenic; GW ted Exceedance caching marine biotic depletion sotential, depriv	If fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential ic ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication poince = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Entropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; Algorical potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption	anic = Global W dification poter tential, fractior ne; ADP-miner P = Water (use	lels; GWP-bioge layer; AP = Acid trophication po- opospheric ozo s potential; WD	Potential fossil fu atospheric ozone ; EP-marine = Eut on potential of tr	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil exceedance; POCP = Formation potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption	Acronyms
-3.95e+0	-6.42e-5	4.14e-3	5.52e-5	0.00e+0	7.24e-1	1.22e+2	ND	1.47e-3	6.82e+0	m3	WDP**
-5.40e+1	7.30e-2	2.67e-2	4.68e-2	0.00e+0	1.90e-1	1.11e+5	N D	1.25e+0	1.01e+2	<u>S</u>	ADP-fossil**
-3.18e-3	1.43e-10	1.04e-10	3.10e-10	0.00e+0	5.17e-10	1.35e-5	ND	8.25e-9	4.86e-3	kg Sb eq	ADP-minerals & metals**
-4.70e-2	1.22e-5	4.80e-6	2.19e-5	0.00e+0	1.75e-5	1.97e+0	ND	5.82e-4	7.81e-2	kg NMVOC eq	POCP
-1.68e-1	4.26e-5	2.75e-5	1.22e-4	0.00e+0	6.43e-5	7.27e+0	ND	3.26e-3	2.68e-1	mole N eq	EP-terrestrial
-1.25e-2	3.88e-6	1.66e-6	1.11e-5	0.00e+0	1.31e-5	7.01e-1	ND	2.95e-4	2.03e-2	kg N eq	EP-marine
-1.79e-2	1.10e-7	3.39e-9	1.52e-8	0.00e+0	1.88e-6	3.82e-4	ND	4.05e-7	2.73e-2	kg P eq	EP-freshwater*
-2.26e-1	1.56e-5	6.14e-6	2.26e-5	0.00e+0	2.01e-5	3.21e+0	ND	6.02e-4	3.99e-1	mole H+ eq	AP
-3.80e-8	6.74e-14	1.18e-14	5.24e-16	0.00e+0	4.84e-14	1.90e-10	ND	1.39e-14	6.15e-8	kg CFC-11 eq	ODP
-7.43e-3	4.86e-6	1.15e-6	6.00e-5	0.00e+0	4.73e-6	1.93e-1	ND	1.60e-3	1.36e-2	kg CO2 eq	GWP-luluc
7.31e-4	0.00e+0	-3.02e-2	8.52e-6	0.00e+0	1.88e-3	-7.49e-2	9.55e-2	2.27e-4	-6.52e-2	kg CO2 eq	GWP-biogenic
-3.73e+0	4.88e-3	4.37e-2	3.53e-3	0.00e+0	1.20e-2	1.54e+3	ND	9.39e-2	6.91e+0	kg CO2 eq	GWP-fossil
-3.73e+0	4.89e-3	1.35e-2	3.60e-3	0.00e+0	1.39e-2	1.54e+3	9.55e-2	9.57e-2	6.86e+0	kg CO2 eq	GWP-total
D	C4	G	C2	C1	В7	B6	A5	Α4	A1 - A3	Unit	Indicator
					t: 1 kg	Results per functional unit: 1	s per func	Results			

^{*}The results in kg PO4 eq. can be obtained by multiplying the results in kg P eq. by a factor of 3,07.

^{**} The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.





Use of resources

rgy resources able primary 1-renewable V = Use of net	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net	= Use of renewa nary energy exclu terials; PENRT = n-renewable sec	naterials; PERM -renewable prim sed as raw ma RSF = Use of no	s used as raw m E = Use of non- rgy resources u ondary fuels; NF	esources; PENR esources; PENR uble primary ene if renewable sec fresh water	wable primary e orimary energy r of non-renewa ial; RSF = Use o	y excluding renev e of renewable p ls; PENRM = Use econdary mater	e primary energ: PERT = Total us as raw materia :s; SM = Use of s	Use of renewabl raw materials; resources used energy re-source	PERE = used as energy primary (Acronyms
-9.30e-2	8.64e-7	9.93e-5	4.52e-6	0.00e+0	1.64e-1	2.54e+1	ND	1.20e-4	1.32e-1	m3	FW
0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	3	NRSF
-2.80e+1	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	ND	0.00e+0	3.45e+1	3	RSF
9.03e-1	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	ND	0.00e+0	1.10e-1	kg	MS
-2.72e-1	-6.65e-1	-6.15e-1	0.00e+0	0.00e+0	1.90e-1	0.00e+0	ND	0.00e+0	1.64e+1	3	PENRT
3.93e-1	-7.38e-1	-6.42e-1	0.00e+0	0.00e+0	0.00e+0	0.00e+0	ND	0.00e+0	2.16e+0	3	PENRM
-6.65e-1	7.29e-2	2.67e-2	0.00e+0	0.00e+0	1.90e-1	0.00e+0	ND	0.00e+0	1.42e+1	3	PENRE
-1.25e+1	6.56e-3	6.32e-3	4.04e-3	0.00e+0	3.68e-2	1.33e+2	ND	1.07e-1	2.13e+1	<u> </u>	PERT
0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	ND	0.00e+0	2.59e+0	<u> </u>	PERM
-1.25e+1	6.56e-3	6.32e-3	4.04e-3	0.00e+0	3.68e-2	1.33e+2	ND	1.07e-1	1.87e+1	<u> </u>	PERE
D	C4	C3	C2	C1	В7	В6	A5	Α4	A1 - A3	Unit	Indicator
					unit: 1 kg	unctional ı	Results per functional unit: 1	Re			





Additional voluntary indicators

			Results	per funct	Results per functional unit:	: 1 kg					
Indicator	Unit	A1 - A3	Α4	A5	B6	В7	C1	C2	G	C4	D
GWP-GHG	kg CO2 eq	6.70e+0	8.90e-5	ND	0.00e+0	0.00e+0	0.00e+0	3.34e-6	4.37e-2	4.72e-3	-3.71e+0
EP	kg PO4 eq	7.43e-2	1.01e-7	ND	0.00e+0	0.00e+0	0.00e+0	3.78e-9	8.53e-7	2.74e-6	-6.01e-2
Acronyms	GWP-GHG global warming potential - greenhouse gases; EP eutrophication potential	warming potenti	ial - greenhous	e gases; EP eu	trophication po	tential					

procurement legislation, GWP-GHG is also referred to as GWP-IOBC. biogenic CO2 are "balanced out" already in modules A1-A3, instead of in modules A1-A5 (for packaging) or modules A-C (for product). In the context of Norwegian public The GWP-GHG indicator is identical to GWP-total except that the characterisation factor (CF) for biogenic CO2 is set to zero. This means that the uptake and emissions of

Waste and output flows

			Res	sults per f	Results per functional unit: 1	unit: 1 kg					
Indicator	Unit	A1 - A3	Α4	Α5	В6	В7	C1	C2	C3	C4	D
HWD	kg	1.14e-6	4.78e-11	ND	2.33e-7	6.21e-12	0.00e+0	1.80e-12	1.58e-13	6.03e-12	-8.76e-7
NHWD	kg	3.89e+0	2.03e-4	ND	8.85e+0	4.66e-2	0.00e+0	7.64e-6	6.33e-3	1.01e-1	-2.92e+0
RWD	kg	6.63e-4	2.28e-6	ND	3.38e+1	8.18e-6	0.00e+0	8.56e-8	8.54e-7	8.50e-7	-2.51e-4
Acronyms	HW Hazo	HW Hazardous waste disposed; NHW Non-hazardous waste disposed; RW Radioactive waste disposec	oosed; NHW Noi	n-hazardous w	aste disposed;	RW Radioactive	waste disposed				





Output flows

			Res	sults per fo	Results per functional unit: 1	unit: 1 kg					
Indicator	Unit	A1 - A3	Α4	A5	В6	В7	C1	C2	G	C4	D
CRU	kg	3.45e+1	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	-2.80e+1
MFR	kg	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	8.82e-1	0.00e+0	0.00e+0
MER	kg	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	1.68e-2	0.00e+0	0.00e+0
EEE	<u> </u>	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0
EET	<u> </u>	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0
Acronyms	CRU Com	CRU Components for reuse; MFR Materials for recycling; MER Materials for energy recovery; EEE Exported electric energy; ETE Exported thermal energy	; MFR Materials	for recycling; N	1ER Materials fo	r energy recove	ry; EEE Exporte	d electric energy	; ETE Exported t	hermal energy	

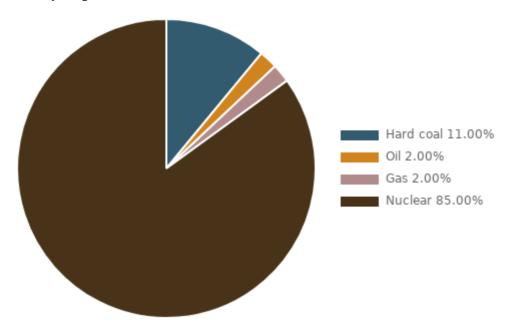




Energy Breakdown Electricity used in the manufacturing

Name	Data source	GWP excl. biogenic [kg CO2-eq/kWh]
Electricity Residual Mix - Sweden (2023)	AIB	1,17E-2

Breakdown of electricity usage







Product Table

Name	Weight, kg	Unit
AZUR ZERO KITCHEN MIX. 4 BLACK TOPP HANDLE, DWV, LEAD-FREE	2.784	рс
AZUR ZERO KITCHEN MIX. 3 BLACK TOPP HANDLE, LEAD-FREE	1.902	рс
AZUR ZERO KITCHEN MIX. 2 BLACK SIDE HANDLE, DWV, LEAD-FREE	2.961	рс
AZUR ZERO KITCHEN MIX. 1 BLACK SIDE HANDLE, LEAD-FREE	2.079	рс
AZUR ZERO KITCHEN MIX.4 CHROME 3, TOPP HANDLE, DWV, LEAD-FREE	2.864	рс
AZUR ZERO KITCHEN MIX.2 CHROME 3, SIDE HANDLE, DWV, LEAD-FREE	3.042	рс
AZUR ZERO KITCHEN MIX.3 CHROME 3, TOPP HANDLE, LEAD-FREE	1.970	рс
AZUR ZERO KITCHEN MIX.1 CHROME 3, SIDE HANDLE, LEAD-FREE	2.148	рс





Additional information

Additional Environmental Information

See the PCR and sections 5.4, 7.3 and 7.4 in EN 15804.

An EPD may include additional environmental information, in addition to the LCA results of the section on environmental performance results. The additional environmental information may cover various aspects of specific relevance for the product, for example:

instruction for proper use of the product, e.g. to minimise the energy or water consumption or to improve the durability of the product; instructions for proper maintenance and service of the product; information on key parts of the product determining its durability; information on recycling including e.g. suitable procedures for recycling the entire product or selected parts and the potential environmental benefits gained; information on a suitable method of reuse of the product (or parts of the products) and procedures for disposal as waste at the end of its life cycle, information regarding disposal of the product or inherent materials, and any other information considered necessary to minimise the product's end-of-life impacts, information on permanent (more than 100 years) storage of biogenic carbon, either in the product, in a landfill, or as a consequence of applying carbon capture and storage (CCS) to the incineration of biogenic carbon, and how this would influence GWP-biogenic results if the GWP-biogenic indicator would allow consideration of such storage (it currently does not according to EN 15804; in case of such storage a virtual emission of biogenic CO2 has to be added, see Annex 2) a more detailed description of an organisation's overall environmental work such as: the existence of a quality or environmental management system or any type of organised environmental activity, and information on where interested parties may find more details about the organisation's environmental work.

Additional environmental information can also include information on carbon offset, carbon storage and delayed emissions, or on release of dangerous substances to indoor air, soil and water during the use stage.

To calculate the impacts regarding operational energy use, the technical criteria issued by Unified Water Label for taps and showers were considered. For operational water use impacts, per person consumption data available from RISE was taken into consideration and the consumption throughout the RSL was determined accordingly.

Additional social and economic information

The EPD may also include other relevant social and economic information as additional and voluntary information. This may be product information or a description of an organisation's overall work on social or economic sustainability, such as activities related to supply chain management or social responsibility.

Any additional social and economic information declared shall be substantiated and verifiable, and be derived using appropriate methods and be specific, accurate, not misleading, and relevant to the specific product. Quantitative information is preferred over qualitative information.





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