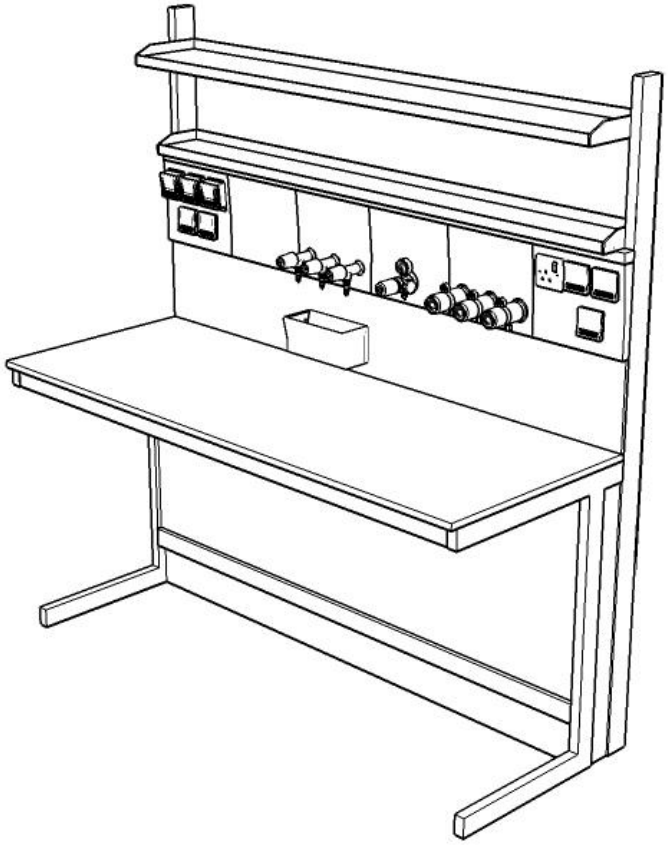
EPD® ENVIRONMENTAL PRODUCT DECLARATION

burdinola safer labs

ENVIRONMENTAL PRODUCT DECLARATION
Laboratory Worktop with Service System 1500x750x900mm
ACRILO, GLASS, WOOD, GRES



CPC CODE: 3814 OTHER FURNITURE
PCR: 2012:19 VERSION 2.01
REGISTRATION NUMBER: S-P-00530
PUBLICATION: 2014/02/28
REVISION: 2021/06/23
VALIDITY: 2026/05/16
GEOGRAPHIC VALIDITY: International

COMPANY AND PRODUCT INFORMATION

Burdinola S. Coop. founded in 1978 in Amoroto (Bizkaia), is a company specialized in the management and integral development of laboratory projects in any of its phases, from consultancy, engineering, installation, training and commissioning, to after-sales service; including furniture and fume cupboards of own manufacture.

Burdinola offers advanced technology solutions serving the premises of sustainability, ecodesign and applicable standards, applicable in both the global scientific building, and in the specifics of laboratory furniture.

Safety is Burdinola's major value proposal and included in their mission as follows: *"We create the safest and most efficient laboratories in the world where researchers enjoy working towards a better society".*

Always at the forefront of innovation, Burdinola designs and manufactures our new become range on the basis of strict requirements. Some of these requirements are part of the "Cradle to Cradle" philosophy – based on the environmental control of the product's full life cycle. Our determined commitment to the future is therefore based on working together with our customers to enhance their capacity to self-analyse capacity and integrate sustainability in the company in the three functional spheres:

1. Product: Selecting safe and recyclable or biodegradable materials, optimizing chemical ingredients, designing products for recycling, keeping the materials in closed-loop in multiple product life cycles.
2. Internal Operations and Processes: Applying the "Cradle to Cradle" to internal processes, using safe chemical processes, maximizing the use of renewable energy, optimizing the carbon/water footprint, creating a healthy and productive work.
3. Organizational Education: Educating the staff on the philosophy and premises of ecological design and sustainability, adopting and promoting eco-effective vision, creating structures top-down and bottom-up to maximize the value of the skills and perspectives of all staff, integrating the values of the "Cradle to Cradle", in making decisions and the success.

Products included in this Environmental Product Declaration are:

- Laboratory Worktop in Glass (1500x750x900mm) with Service System.
- Laboratory Worktop in Acrilo (1500x750x900mm) with Service System.
- Laboratory Worktop in Wood (1500x750x900mm) with Service System.
- Laboratory Worktop in Gres (1500x750x900mm) with Service System.

In accordance with the requirements for the reference PCR, similar products have been included be included in the same declaration but reported as separate results.

WORKTOP + SS	Material	kg			
		Acrilo	Wood	Gres	Glass
Plastic	ABS	2,82	2,82	2,86	2,90
	PC	0,29	0,21	0,29	0,21
	Poliamide 6.6	0,25	0,25	0,32	0,25
Metal	Steel	26,89	26,88	27,76	26,88
	Aluminiun	6,38	6,38	6,39	6,38
	Zamak	0,37	0,37	0,37	0,37
Wood and paper	Wood Board	33,43	43,61	6,54	18,68
Electronics	Cable	0,48	0,48	0,48	0,48
Gres	Gres	0,00	0,00	53,25	0,00
Glass	Glass	0,00	0,00	0,00	16,71
Others	Adhesives	0,02	0,02	0,00	0,02
		70,94	**81,03**	**98,27**	**72,89**

Table 1. Table materials

PACKAGING	Material	kg
Plastic	Film	0,25
Wood and paper	Pale	38,00
	Paper Board	5,56
		43,809

Table 2. Table packaging

The packaging of the tables

The product complies with current legislation on the presence of toxic and hazardous substances.
It has been estimated a 40% of recycled raw material used in the materials of the worklab manufacturing, coming from the steel used.

CHANGES IN THE PRODUCT OF THE PREVIOUS EPD

In terms of changes from previous versions, there have been several adaptations to the GPI and PCR, as well as changes in the inventory data:

- Change in PCR and GPI versions.
- Change in the version of the Ecoinvent database.

	PCR	CCP	GPI
EPD 2014:	2012:19 Version 1.0	38140 Other furniture	Version 2.01
EPD 2016:	2012:19 Version 1.0	38140 Other furniture	Version 2.01
EPD 2017:	2012:19 Version 1.1	3812 & 3814 Other furniture used in offices and other furniture N.E.C.	Version 2.5
EPD 2021:	2012:19 Version 2.01	3812/3813/3814 Furniture, except seats and mattresses	Version 3.01

- Changes upstream EPD 2017:

In the case of the Laboratory Table, the following elements have changed in its design:

◦ The table top for the registrable covers has been replaced. Before it was the FINSA table top called "Superpan" and now it is the FINSA table top called "Fimapan". The thicknesses and dimensions remain the same.

◦ The difference between SUPERPAN and FIMAPAN is that SUPERPAN has a 2mm particle finish on both sides of the board, being a more polished and finer finish. But the core of the board is the same.

◦ FIMAPAN has an EPD verified by the International EPD System, so in this update of the LCA study a new environmental indicator has been created for the LCA database from the EPD data.

◦ The Fundermax service panel (in the SSF service system) is now 6 mm, whereas before it was 10 mm.

◦ The new board volume and weight has been recalculated from the reduction in thickness.

▪ Thickness 10mm / Surface area: 0.405m2 / Weight: 5.883kg / Volume: 0.00405m3.

▪ Thickness 6mm(-40%) / Surface: 0,405m2 / Weight: 3,53kg(-40%) / Volume: 0,0024m3(-40%).

- The steel tube changes from 60x30x2 mm to 60x30x1.5 mm.

◦ The new weight of the tubes has been recalculated from the reduction in thickness.

▪ Thickness 2mm / Tube quantity: 8.8m / Weight: 23.69kg (2.68kg/m).

▪ Thickness 1.5mm (-25%) / Tube quantity: 8.8m / Weight: 17.77kg (2.02kg/m).

- Core changes at each revision:

- Electrical mix.
- Waste.

FUNCTIONAL UNIT.

One unit of laboratory worktop (1500x750x900mm) model used and maintained during 15 years.

ENVIRONMENTAL PROFILE

	ACRILO				WOOD				GRES				GLASS			
ENVIRONMENTAL IMPACT	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**
Global Warming Potential (GWP) Fossil (kg CO_2 eq.)	1,95E+02	3,64E+01	2,48E+01	**2,56E+02**	1,92E+02	3,59E+01	2,67E+01	**2,54E+02**	2,53E+02	3,53E+01	2,99E+01	**3,19E+02**	2,43E+02	2,41E+01	2,14E+01	**2,88E+02**
Global Warming Potential (GWP) Biogenic (kg CO_2 eq.)	8,07E-01	3,00E-01	2,17E+00	**3,91E+00**	8,18E-01	2,95E-01	2,83E+00	**3,94E+00**	9,02E-01	2,88E-01	4,33E-01	**1,62E+00**	1,06E+00	2,75E-01	1,22E+00	**2,55E+00**
Global Warming Potential (GWP) Land use and land transformation (kg CO_2 eq.)	1,23E+00	1,94E-01	8,42E-03	**1,43E+00**	1,33E+00	1,93E-01	9,08E-03	**1,53E+00**	1,37E+00	1,63E-01	1,01E-02	**1,54E+00**	1,46E+00	1,74E-01	7,23E-03	**1,64E+00**
Global Warming Potential (GWP) TOTAL (kg CO_2 eq.)	**1,97E+02**	**3,68E+01**	**2,70E+01**	**2,61E+02**	**1,94E+02**	**3,63E+01**	**2,96E+01**	**2,60E+02**	**2,56E+02**	**3,58E+01**	**3,03E+01**	**3,22E+02**	**2,45E+02**	**2,46E+01**	**2,26E+01**	**2,92E+02**
Acidification Potential (AP) (kg SO_2 eq.)	1,09E+00	3,03E-01	1,23E-01	**1,52E+00**	1,08E+00	2,72E-01	1,31E-01	**1,48E+00**	1,78E+00	2,98E-01	1,40E-01	**2,22E+00**	1,63E+00	1,69E-01	1,11E-01	**1,91E+00**
Eutrophication Potential (EP) (kg PO_4^{3-} eq.)	1,35E-01	2,40E-02	1,36E-02	**1,73E-01**	1,36E-01	2,39E-02	1,48E-02	**1,75E-01**	2,69E-01	2,33E-02	1,56E-02	**3,08E-01**	2,32E-01	1,83E-02	1,15E-02	**2,62E-01**
Formation potential of tropospheric ozone (POCP) (kg NMVOC eq.)	8,40E-01	1,48E-01	1,05E-01	**1,09E+00**	8,62E-01	1,49E-01	1,14E-01	**1,13E+00**	9,88E-01	1,43E-01	1,23E-01	**1,25E+00**	1,04E+00	1,09E-01	9,00E-02	**1,24E+00**
Abiotic depletion potential – Elements (ADP-E) (kg Sb eq.)	4,03E-02	6,86E-04	6,52E-04	**4,17E-02**	4,03E-02	7,10E-04	7,04E-04	**4,17E-02**	6,86E-02	6,58E-04	7,88E-04	**7,01E-02**	4,15E-02	4,70E-04	5,61E-04	**4,26E-02**
Abiotic Depletion Potential – Fossil fuels (ADP-FF) (MJ)	2,35E+03	5,26E+02	3,63E+02	**3,24E+03**	2,28E+03	5,20E+02	3,92E+02	**3,20E+03**	3,19E+03	5,12E+02	4,32E+02	**4,14E+03**	2,97E+03	3,47E+02	3,10E+02	**3,63E+03**
Water scarcity potential (WSP) (m^3 eq.)	3,30E+02	1,41E+01	1,06E+00	**3,45E+02**	3,09E+02	1,31E+01	1,15E+00	**3,23E+02**	3,66E+03	1,26E+01	1,25E+00	**3,67E+03**	2,28E+03	1,00E+01	9,04E-01	**2,30E+03**

	ACRILO				WOOD				GRES				GLASS			
USE OF RESOURCES	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**
Primary energy resources Renewable Used as energy carrier [MJ]	2,36E+03	1,34E+03	5,44E+00	3,70E+03	3,53E+03	1,32E+03	5,93E+00	4,86E+03	4,18E+03	1,29E+03	6,31E+00	5,47E+03	4,48E+03	1,30E+03	4,61E+00	5,78E+03
Primary energy resources Renewable Used as raw material [MJ]	4,20E+01	0,00E+00	0,00E+00	4,20E+01	4,20E+01	0,00E+00	0,00E+00	4,20E+01	4,20E+01	0,00E+00	0,00E+00	4,20E+01	4,20E+01	0,00E+00	0,00E+00	4,20E+01
Primary energy resources Renewable TOTAL [MJ]	2,40E+03	1,34E+03	5,44E+00	3,74E+03	3,57E+03	1,32E+03	5,93E+00	4,90E+03	4,22E+03	1,29E+03	6,31E+00	5,52E+03	4,52E+03	1,30E+03	4,61E+00	5,82E+03
Primary energy resources Non - Renewable Used as energy carrier [MJ]	2,46E+03	5,85E+02	3,70E+02	3,41E+03	2,39E+03	5,72E+02	4,01E+02	3,37E+03	3,56E+03	5,69E+02	4,41E+02	4,57E+03	3,20E+03	3,82E+02	3,17E+02	3,90E+03
Primary energy resources Non - Renewable Used as raw material [MJ]	3,47E+02	0,00E+00	0,00E+00	3,47E+02	3,47E+02	0,00E+00	0,00E+00	3,47E+02	3,47E+02	0,00E+00	0,00E+00	3,47E+02	3,47E+02	0,00E+00	0,00E+00	3,47E+02
Primary energy resources Non - Renewable TOTAL [MJ]	2,81E+03	5,85E+02	3,70E+02	3,76E+03	2,74E+03	5,72E+02	4,01E+02	3,71E+03	3,91E+03	5,69E+02	4,41E+02	4,92E+03	3,54E+03	3,82E+02	3,17E+02	4,24E+03
Secondary material [kg]	1,21E+01	0,00E+00	0,00E+00	1,21E+01	1,21E+01	0,00E+00	0,00E+00	1,21E+01	1,26E+01	0,00E+00	0,00E+00	1,26E+01	1,21E+01	0,00E+00	0,00E+00	1,21E+01
Renewable secondary fuels [MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non - Renewable secondary fuels [MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water [m³]	9,95E+00	3,80E-01	4,86E-02	1,04E+01	9,45E+00	3,46E-01	5,44E-02	9,85E+00	8,77E+01	3,58E-01	4,97E-02	8,81E+01	5,55E+01	2,52E-01	3,91E-02	5,58E+01

	ACRILO				WOOD				GRES				GLASS			
RESIDUES	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**
Hazardous waste disposed (kg)	3,40E-01	1,21E-03	9,59E-04	**3,42E-01**	3,28E-01	1,25E-03	1,04E-03	**3,31E-01**	5,07E+00	1,17E-03	1,15E-03	**5,08E+00**	2,83E+00	9,10E-04	8,24E-04	**2,83E+00**
Non-Hazardous waste disposed (kg)	5,70E+01	1,50E+01	5,46E+01	**1,27E+02**	5,87E+01	1,61E+01	6,61E+01	**1,41E+02**	7,12E+01	1,42E+01	3,36E+01	**1,19E+02**	6,38E+01	1,08E+01	3,74E+01	**1,12E+02**
Radioactive waste disposed (kg)	1,03E-02	2,57E-03	2,52E-03	**1,54E-02**	1,06E-02	2,67E-03	2,73E-03	**1,59E-02**	2,44E-02	2,47E-03	3,01E-03	**2,99E-02**	2,40E-02	1,76E-03	2,16E-03	**2,79E-02**
Components for reuse (kg)	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**
Material for recycling (kg)	0,00E+00	2,33E+00	3,33E+01	**3,56E+01**	0,00E+00	2,33E+00	3,33E+01	**3,56E+01**	0,00E+00	2,27E+00	8,74E+01	**8,97E+01**	0,00E+00	2,28E+00	5,00E+01	**5,22E+01**
Materials for energy recovery (kg)	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**
Exported energy, electricity (MJ)	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**
Exported energy, termal (MJ)	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**	0,00E+00	0,00E+00	0,00E+00	**0,00E+00**

	ACRILO				WOOD				GRES				GLASS			
OTHER INDICATORS	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**	**UP**	**CORE**	**DOWN**	**TOTAL**
Human toxicity, cancer impacts (USEtox2) (cases)	2,15E-07	4,06E-09	1,34E-07	**3,53E-07**	9,05E-08	3,97E-09	1,34E-07	**2,29E-07**	7,02E-08	3,95E-09	1,34E-07	**2,08E-07**	7,58E-08	3,27E-09	1,34E-07	**2,13E-07**
Human toxicity, non-cancer impacts (USEtox2) (cases)	1,18E-08	7,88E-09	8,46E-09	**2,81E-08**	1,44E-08	8,50E-09	9,11E-09	**3,20E-08**	1,77E-08	7,58E-09	1,02E-08	**3,55E-08**	2,11E-08	6,14E-09	7,31E-09	**3,46E-08**
Fresh water ecotoxicity (USEtox2) (PAF.m^3.day)	8,10E-01	2,85E+00	5,21E-02	**3,71E+00**	6,66E-01	2,47E+00	5,61E-02	**3,19E+00**	7,93E-01	2,84E+00	6,15E-02	**3,69E+00**	1,27E+00	1,66E+00	4,52E-02	**2,97E+00**
Land use (Recipe Endpoint (H)) (species.yr)	1,07E-06	6,75E-07	9,99E-09	**1,76E-06**	1,44E-06	6,67E-07	1,10E-08	**2,12E-06**	1,75E-06	6,65E-07	1,13E-08	**2,43E-06**	1,66E-06	6,63E-07	8,36E-09	**2,33E-06**

VERIFICATION AND REGISTRATION INFORMATION

EPD programme	The International EPD® System EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden. www.environdec.com
Registration Nº	S-P-00530
Date of publication	January 2014
Date of update	2021-06-23
EPD validity	2026-05-16
EPD valid within the following geographical area	Global
EPD Type	☐ Cradle-to-gate ☒ Cradle-to-grave
Independent verification of the declaration and data, according to ISO 14025:2006	☒ EPD External verification ☐ EPD Process certification
Procedure for follow-up of data during EPD validity involves third party verifier	☒ Yes ☐ No
Third party verifier	TECNALIA R&I CERTIFICACIÓN Maria Feced info@tecnaliacertificacion.com
Third party verifier accredited or approved by	ENAC nº 125/C-PR283
Reference Product category rules (PCR)	Furniture, except seats and mattresses, PCR 2012:19, version 2.01, CPC 3814 Other furniture
Product category rules (PCR) review conducted by	The Technical Committee of the International EPD® System. Chair: Gorka Benito Alonso Contact via info@environdec.com

burdinola safer labs

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EPD available in www.environdec.com.
EPDs within the same product category but from different programmes may not be comparable.
The verifier and the programme operator do not make any claim nor have any responsibility of the legality of the product.

VERIFICATION STATEMENT CERTIFICATE

CERTIFICADO DE DECLARACIÓN DE VERIFICACIÓN

Certificate No. / Certificado nº: EPD00108

TECNALIA R&I CERTIFICACION S.L., confirms that independent third-party verification has been conducted of the Environmental Product Declaration (EPD) on behalf of:
TECNALIA *R&I CERTIFICACION S.L., confirma que se ha realizado verificación de tercera parte independiente de la Declaración Ambiental de Producto (DAP) en nombre de:*

BURDINOLA, S. COOP
Crta. Lekeitio, km. 53,5
48289 AMOROTO (Bizkaia) (SPAIN)

for the following product(s):
para el siguiente(s) producto(s):

LABORATORY WORKTOP WITH SERVICE SYSTEM 1500x750x900mm
MESA MURAL CON SISTEMA DE SERVICIOS 1500x750x900mm

with registration number **S-P-00530** in the International EPD® System *(www.environdec.com)*
*con número de registro **S-P-00530** en el Sistema International EPD® (www.environdec.com)*

it´s in conformity with:
es conforme con:

- **ISO 14025:2010 Environmental labels and declarations. Type III environmental declarations.**
- **General Programme Instructions for the International EPD® System v.3.01.**
- **PCR: Furniture, except seats and mattresses PCR 2012:19, Version 2.01**
- **CPC Code: 3814 Other furniture.**

Issued date / *Fecha de emisión:*	22/06/2017
Update date / *Fecha de actualización:*	20/05/2021
Valid until / *Válido hasta:*	16/05/2026
Serial Nº / *Nº Serie:*	EPD0010802-E

Carlos Nazabal Alsua
Manager

This certificate is not valid without its related EPD.
Este certificado no es válido sin su correspondiente EPD.

El presente certificado está sujeto a modificaciones, suspensiones temporales y retiradas por TECNALIA R&I CERTIFICACION.
This certificate is subject to modifications, temporary suspensions and withdrawals by TECNALIA R&I CERTIFICACION.

El estado de vigencia del certificado puede confirmarse mediante consulta en www.tecnaliacertificacion.com.
The validity of this certificate can be checked through consultation in www.tecnaliacertificacion.com.

ENAC CERTIFICACIÓN Nº 125/C-PR283