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## U N D P

### CERTIFICATE OF COMPLETION

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PROJECT: BRA/12/G76  
AGENCY: UNDP

DATE APPROVED: March 12<sup>th</sup>, 2019.  
ENGINEER: Miguel Quintero

CONTRACTOR:

UTECH – TECNOLOGIA DE  
POLIURETANOS LTDA.

LOCAL GOVERNMENT:

OZONE PROTECTION UNIT OF THE  
BRAZILIAN GOVERNMENT

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**Issued by:** United Nations Development Programme (UNDP)

#### AGENCY (IA)

**And to:** UTECH – TECNOLOGIA DE POLIURETANOS LTDA.  
Rua Primo Antônio Fanti, nº 125 – Polo Industrial II - Bariri/SP – Brazil  
CEP: 17.250-970

#### CONTRACTOR

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This Certificate of Completion applies to all work conducted under the Project Document approved by UNEP/OzL.Pro/ExCom/64/53 – Decision 64/40:

**BRA/12/G76** – Brazil`s HCFC Phase-out Management Plan.:

- Conversion to non-HCFC Technology in the Manufacture of Polyurethane Foam of the enterprise UTECH – TECNOLOGIA DE POLIURETANOS LTDA.;
  - Perform the technology transfer to HCFC-free technology to 12 pre-selected PU Foam end-users.
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The work to which this Certificate applies has been inspected by the ENGINEER in presence of authorised representatives of IA and CONTRACTOR and the work is hereby declared to be completed in accordance with the aforementioned project document.

March 12<sup>th</sup>, 2019.

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## RESPONSIBILITIES

From the date of Completion the responsibilities between IA and CONTRACTOR for security, operation, safety, maintenance, utilities, insurance, warranties and guarantees shall be as follows:

IA: As of Tuesday, March 12<sup>th</sup>, 2019, all of the aforementioned responsibilities shall be passed from UNDP to UTECH – TECNOLOGIA DE POLIURETANOS LTDA., located in Bariri/SP, Brazil.

CONTRACTOR: As of Tuesday, March 12<sup>th</sup>, 2019, all of the aforementioned responsibilities shall be assumed by UTECH – TECNOLOGIA DE POLIURETANOS LTDA., and the CONTRACTOR shall hold UNDP harmless.

The following is a list of complete activities carried out under the Conversion to non-HCFC Technology in the Manufacture of Polyurethane Foam of 12 pre-selected PU Foam end-users and the enterprise UTECH – TECNOLOGIA DE POLIURETANOS LTDA. as from November 2015 to December 2018:

**System house's conversion:** The conversion process of system house encompassed the following activities:

- Investment/ engineering project implemented at the polyurethane system production:
  - Plant adjustments (electrical grounding, piping and civil works);
  - Adaptation of storage area for flammable products (Methyl Formate) and transfer system to mixing area;
  - Installation of nitrogen system linked to mixing unit (system inertisation);
  - Installation of safety systems /sensors /alarms /fire extinguisher /exhaust system;
  - Retrofit of mixing unit used for the production of rigid foams (thermoware, packaging, pipe-in-pipe and solar/water heaters)
  - Issuance of safety certificate;
  - Staff training on safety measures and on handling and storage of flammable substances.
- 3.22 ODP t phased out.
- The declaration of disposal of baseline equipment is presented on Annex A.

**End user's conversion:** The conversion process of each beneficiary end-user listed in Annex B encompassed the following activities *via* the assistance of the system house:

- End-user baseline data validation in the field;
- Technology transfer;
- Trials at production and commercial levels;



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- Assistance in civil works design and adaptation;
- Purchase or retrofit services with equipment specifications and guidance on execution;
- Issuance of certificate on enterprise ability to safely handle the new technology;
- Collection of implementation documentation and completion of activities.

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Executed on behalf of UNDP by ENGINEER on Tuesday, March 12<sup>th</sup>, 2019,

*Miguel Wenceslau Quintero*

Miguel Quintero, Engineer

18-mai-2020

CONTRACTOR accepts this Certificate on \_\_\_\_\_:

By: *Rafael Guedes Lima Oliva*

Rafael Guedes Lima Oliva, Business Partner

## ANNEX-A

### DECLARATION OF DISPOSAL OF BASELINE EQUIPMENT UNDER PROJECT BRA/12/G76 – (UTECH)

Under Project BRA/12/G76, UTECH – TECNOLOGIA DE POLIURETANOS LTDA., the CONTRACTOR hereby declares that it has disposed the baseline equipment as identified in the approved Project Document for BRA/12/G76 – UTECH as follows:

<b>DISPOSAL OF BASELINE EQUIPMENT UNDER PROJECT BRA/12/G76 – (CONTRACTOR)</b>						
<b>Equipment Description</b>	<b>Year and Model</b>	<b>Equip-ment ID#</b>	<b>Method of Disposal</b>	<b>Year of disposal</b>	<b>Implement ed By</b>	<b>Verified By</b>
Low Pressure Dispensers	2004/7 kg/min	n/a	3	2015	Contractor	IA
Blending Tank	2003	n/a	3	2015	Contractor	IA
Blending Tank	2003	n/a	3	2015	Contractor	IA

1. Physical Destruction/Dismantling/Rendering Unusable with HCFCs
2. Decommissioning and Storage
3. Retrofitting
4. No action

Under project BRA/12/G76 – UTECH, the Contractor declares as below:

- (1) That it has carried out the disposal of the baseline equipment as tabulated above, so as to render the equipment unusable with HCFCs, applying the process described below:

**Brief description of the disposal process:**

- Retrofit of foaming related equipment.

- (2) That it, in the event that any equipment is decommissioned and retained in storage by the Contractor, it will not use it with any HCFCs and it will not sell or surrender the custody of this equipment except to a designated authority so assigned by UNDP and/or the Government. Justification (as mandatorily required) for retaining this baseline equipment is provided by the Contractor below:

**Justification for retaining the baseline equipment:**

- N/A

- (3) That it will not resume the use of any HCFC or other Ozone Depleting Substance (ODS) in its manufacture of Polyurethane Foam as per Term of Commitment signed on 8<sup>th</sup> January 2015.

In agreement:

CONTRACTOR

GOVERNMENT

*Rafael Guedes Lima Oliva*

*Magna L. Ludovice*

Rafael Guedes Lima Oliva  
Business Partner

Magna Ludovice  
National Ozone Unit Officer

It is hereby verified that a review, undertaken with all due diligence, of the information made available to UNDP revealed no discrepancies in the aforementioned representations with which UNDP, therefore, agrees,

UNDP

*Miguel Wenceslau Quintero*

Miguel Quintero, Engineer



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## ANNEX-B

### END-USERS CONVERTED UNDER UTECH'S GROUP PROJECT

Nº	End User	Location	Start-up Date	A-5 Capital	Baseline equipment information						
					Type (High / Low / Manual)	Brand	Model	Year	Equipment ID	Method of Disposal	Observation
1	Aços Buzon Cozinhas Profissionais Ltda.	Campinas /SP	27/06/2002	Yes	LPD	UTECH	NFT 16kg/min	2004	n/a	4	No Action
2	Caio - Induscar Indústria e Comércio de Carrocerias Ltda.	Botucatu /SP	25/11/1998	Yes	LPD	UTECH	NFT 16kg/min	2002	n/a	4	No Action
					LPD	UTECH	NFT 16kg/min	2002	n/a	4	No Action
					LPD	UTECH	NFT 16kg/min	2002	n/a	4	No Action
					LPD	UTECH	NFT 16kg/min	2002	n/a	4	No Action
					LPD	UTECH	NFT 16kg/min	2002	n/a	4	No Action
					LPD	UTECH	NFT 16kg/min	2002	n/a	4	No Action
3	E F C Refrigeração Ltda.	Piracicaba /SP	09/01/1998	Yes	LPD	UTECH	NFT 16kg/min	2004	n/a	4	No Action
4	Fermara Refrigeração, Indústria e Comércio Ltda.	Santa Bárbara d'Oeste /SP	06/11/1970	Yes	LPD	UTECH	NFT 16kg/min	2008	n/a	4	No Action
	Frinox Indústria e Comércio de Máquinas e Equipamentos Ltda.	Rio de Janeiro /RJ	28/02/2007	Yes	LPD	UTECH	NFT 16kg/min	2004	n/a	4	No Action



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6	Hoken International Company Ltda.	São José do Rio Preto /SP	16/10/1997	Yes	LPD	UTECH	NFT 16kg/min	2004	n/a	4	No Action
	Indústria de Máquinas Hyppolito Ltda.	Ferraz de Vasconcelos /SP	09/05/1966	Yes	LPD	Olin	NFT 7,5kg/min	1991	n/a	4	No Action
8	M L Indústria e Comércio de Refrigeração Ltda.	Pederneiras /SP	18/12/1987	Yes	LPD	UTECH	NFT 16kg/min	2002	n/a	4	No Action
	Nestis Industrial Ltda.	Mairinque /SP	04/02/2003	Yes	LPD	UTECH	NFT 7,5kg/min	2006	n/a	4	No Action
10	Polpas do Bxo Amazonas Ind. Com. Ltda (ACAI AMAZONAS INDUSTRIA E COMERCIO LTDA)	Obidos /PA	14/02/2007	Yes	Manual	UTECH	n/a	n/a	n/a	4	Dispenser purchase
	Servomatic Equipamentos e Serviços Ltda.	Rio de Janeiro /RJ	24/07/1995	Yes	LPD	UTECH	NFT 16kg/min	2004	n/a	4	No Action
12	Trox do Brasil Difusão de Ar Acust Filtragem Vent Ltda.	Curitiba /PR	03/07/1975	Yes	LPD	Olin	Autofroth 16kg/min	1993	n/a		No Action

#### Method of Disposal

1. Physical Destruction/Dismantling/Rendering Unusable with HCFCs
  2. Decommissioning and Storage
  3. Retrofitting
  4. No action / Dispenser purchase
- n/a - Utech equipment has no serial number

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