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# UNDP

## CERTIFICATE OF COMPLETION

PROJECT: BRA/12/G76  
AGENCY: UNDP

DATE APPROVED: 30 June 2015  
ENGINEER: Miguel Quintero

CONTRACTOR: KALF INDÚSTRIA E COMÉRCIO DE PLÁSTICOS LTDA.

LOCAL GOVERNMENT: OZONE PROTECTION UNIT OF THE BRAZILIAN GOVERNMENT

Issued by: United Nations Development Programme (UNDP)

### AGENCY (IA)

Addressed to: Kalf Indústria e Comércio de Plásticos Ltda.  
Rua São Paulo – nº 1533 – Bairro: Santa Paula  
São Caetano do Sul – S.P. - Brazil

### CONTRACTOR


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 Kalf Indústria e Comércio de Plásticos Ltda.

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.

30 June 2015

	Date:	24/09/2015	Nº	173263
	File:	BRA/12/G76		
	Initials:	Action:	Prot. Montreal	
		Info:	-	



## 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, 30 June 2015, all of the aforementioned responsibilities shall be passed from UNDP to Kalf Indústria e Comércio de Plásticos Ltda., located in São Caetano do Sul, Brazil.

CONTRACTOR: As of Tuesday, 30 June 2015, all of the aforementioned responsibilities shall be assumed by Kalf Indústria e Comércio de Plásticos Ltda., and the CONTRACTOR shall hold UNDP harmless.

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The following is a list of complete activities carried out under the Conversion to non-HCFC Technology in the Manufacture of Polyurethane Foam of the enterprise Kalf Indústria e Comércio de Plásticos Ltda. as of Tuesday, 30 June 2015:

- Investment/ engineering project implemented:
  - Adaptation of storage area equipped with grounding systems;
  - Adaptation of storage stainless tanks adapted for inflammable products handling according to ABNT NBR 5410 e 5419 standards (National standards);
  - Installation of explosion-proofed pumps and transfer piping systems from the storage area to the blending tank and pressure dispensers;
  - Installation of fire-fighting, safety monitoring and ventilation systems;
  - Pressure dispensers pumps retrofits;
- Manufacturing processes and plant operation with new blowing agent (Methyl Formate) were certified by an assessment risk company;
- Staff training on management, handling and safety measures of flammable substances;
- 4.40 t ODP phased out.

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Executed on behalf of UNDP by ENGINEER on Tuesday, 30 June 2015:



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Miguel Quintero, Engineer

CONTRACTOR accepts this Certificate on \_\_\_ July 2015:

By:   
Tércio Caparrós de Paiva, CEO



## ANNEX-A

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

Under Project BRA/12/G76 KALF INDÚSTRIA E COMÉRCIO DE PLÁSTICOS LTDA., the CONTRACTOR hereby declares that it has disposed the baseline equipment as identified in the approved Project Document for BRA/12/G76 - KALF as follows:

<b>DISPOSAL OF BASELINE EQUIPMENT UNDER PROJECT BRA/12/G76 – (CONTRACTOR)</b>						
<b>Equipment Description</b>	<b>Make, Year and Model</b>	<b>Equip-ment ID#</b>	<b>Method of Disposal</b>	<b>Date of disposal</b>	<b>Implement ed By</b>	<b>Verified By</b>
Low Pressure Dispenser	Barmag, 1999	276944-6	3		Contractor	IA
High Pressure Dispenser	Cannon, 1995	B460002	3		Contractor	IA
Blender	Kalf, 2001		3		Contractor	IA

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

Under project BRA/12/G76 – KALF, 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:**

- N.A.

- (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.



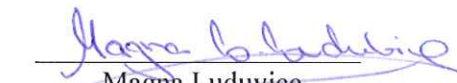

- (3) That it will not resume the use of any HCFC or other Ozone Depleting Substance (ODS) and/or which exhibit high global warming potential (higher than 25) in its manufacture of Polyurethane Foam in accordance with Term of Commitment signed on 25 June 2014.

In agreement:

CONTRACTOR

  
Tércio Caparrós de Paiva,  
CEO

GOVERNMENT

  
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 Quintero, Engineer