

## **SUSTAINABILITY REPORT 2009**

*Pharma Mar, S.A., Sociedad Unipersonal*

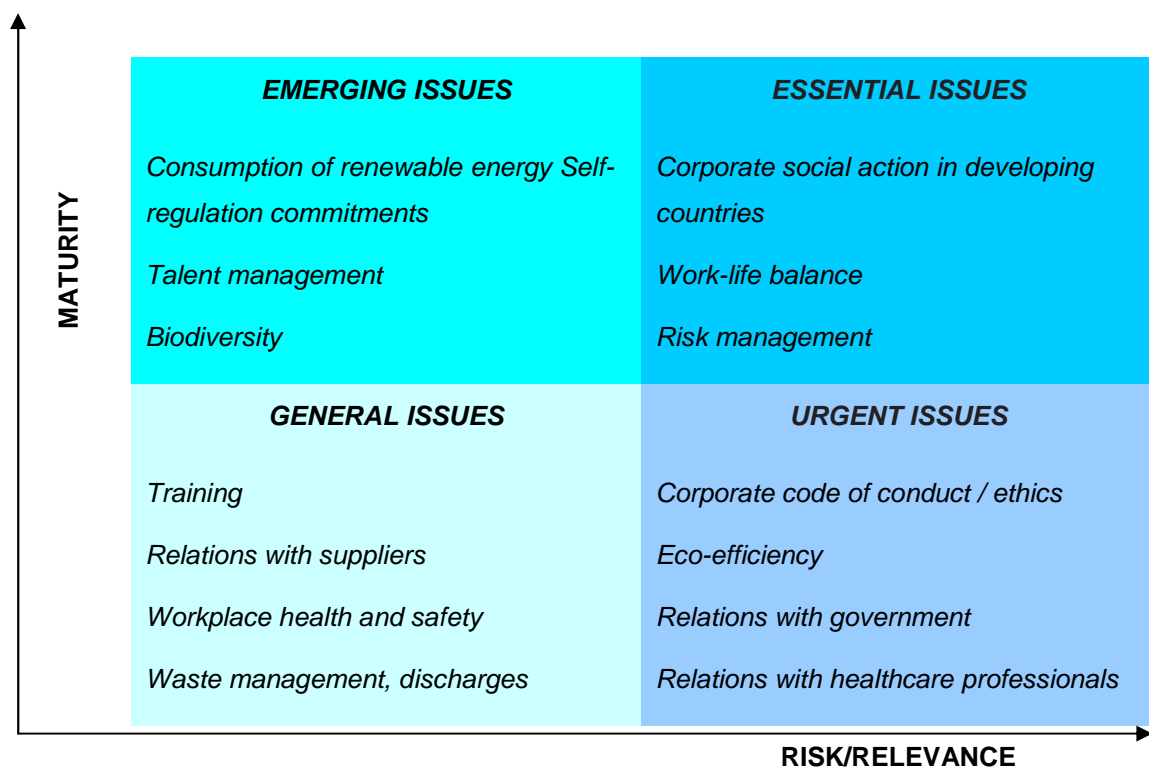
Position	Name	Signature
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The purpose of this sustainability report is not only to set out our progress in 2009 but also to provide a snapshot of where we stand and to identify **areas for improvement** at PharmaMar.

Achieving the goals related to the environment and safety hinges on integrating them into our day-to-day work.



**What  
does a  
fish  
know  
about  
the  
water in  
which it  
swims  
all its  
life?**

Albert  
Einstein

## MANAGEMENT INDICES

Management indices gives us a picture of how PharmaMar performed over a period of time.

To compare the environmental impact of the company's activities between years, we use a number of indicators and ratios that assess our environmental performance and our impact on the environment.

PharmaMar uses ratios of raw material consumption at all its facilities.

**0.42**

m3 water / kg raw materials

We use two ratios, one for measuring water usage

Water used (cubic metres )/raw materials used (kg)

and another for measuring hazardous waste production in our facilities.

Waste produced (kg)/ raw materials used (kg)

**1.41**

kg of waste/kg of raw material

## CONSUMPTION

One of PharmaMar's main environmental impacts is the consumption of raw materials, energy and water as required for the company to operate.

That impact should be minimised by means of saving and control programmes.

For saving programmes to succeed, all PharmaMar employees and third-party personnel involved in our activities must play their part.

**599**

Different chemical substances

Consumption of reagents increased notably, while consumption of organic solvents exceeded 20,000 kg.

**24,319**

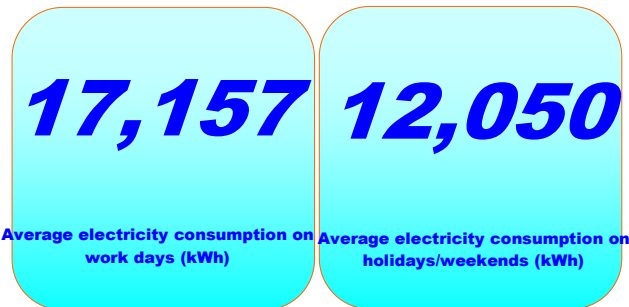
kg of raw materials purchased in 2009



Water consumption declined with respect to last year, mainly as a result of the water saving plan established in the summer.

Electricity consumption increased slightly, by 3% year-on-year, to 5,673 MWh.

The control programme provides information on electricity consumption on working days and during weekends and holidays.



CO<sub>2</sub> emissions are an impact created by our facilities either directly (by consuming natural gas) or indirectly (by consuming electricity).

Lower gas consumption in 2009 resulted in PharmaMar's direct emissions of CO<sub>2</sub> being less than 600 tonnes.

## GRI (Global Reporting Initiative) indicators

The selected indicators are taken from the Corporate Responsibility Guide published by the Global Reporting Initiative (GRI). The indicators measure a company's impact on the environment and the society in which it operates. Indicators may be qualitative or quantitative and their goal is to enable comparison between years so as to ascertain the company's performance.

### Environmental dimension

The environmental dimension of sustainability concerns an organisation's impacts on living and non-living natural systems, including ecosystems, land, air, and water.

Environmental indicators used in this Report.

<b>EN1</b>	Materials used by weight or volume.
<b>EN3</b>	Direct energy consumption by primary energy source.
<b>EN8</b>	Total water withdrawal by source.
<b>EN16</b>	Total direct and indirect greenhouse gas emissions by weight.
<b>EN20</b>	NOx, SOx, and other significant air emissions by type and weight.
<b>EN21</b>	Total water discharge by quality and destination.
<b>EN22</b>	Total weight of waste by type and disposal method.

#### **EN1** Materials used by weight or volume.

	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	Increase
Solvents	kg	kg	kg	kg	%
<b>Total</b>	<b>15,705</b>	<b>13,620</b>	<b>20,446</b>	<b>21,689</b>	<b>7.89%</b>

#### Reagents

<b>Total</b>	<b>949.49</b>	<b>1,097.11</b>	<b>1,710.49</b>	<b>2,630.09</b>	<b>53.76%</b>
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**EN3** Direct energy consumption by primary energy source.

	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	Increase
Electricity	MWh	MWh	MWh	MWh	%
<b>Total</b>	<b>6,563</b>	<b>5,617</b>	<b>5,512</b>	<b>5,673</b>	<b>2.91%</b>

	MWh	MWh	MWh	MWh	Increase
Natural gas					
<b>Total</b>	<b>3,892</b>	<b>3,365</b>	<b>3,375</b>	<b>3,168</b>	<b>-6.13%</b>

**EN8** Total water withdrawal by source.

	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	Increase
Water	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	%
<b>Total</b>	<b>13,499</b>	<b>9,980</b>	<b>10,984</b>	<b>10,300</b>	<b>-6.23%</b>

**EN16** Total direct and indirect greenhouse gas emissions by weight.

	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	Increase
	tonnes	tonnes	tonnes	tonnes	
<i>Direct</i>	701	605	607	570	-5.75%

<i>Indirect</i>					
Electricity consumption	2,514	2,151	2,111	2,173	1.00%

**EN20** NO<sub>x</sub>, SO<sub>x</sub>, and other significant air emissions by type and weight.

	<b>CO</b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>TOC</b>
	tonnes	tonnes	tonnes	tonnes
<b>Boiler</b>	33	74	372	----
<b>Scrubbers</b>	----	----	----	399

**EN21** Total water discharge by quality and destination.

	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	Increase
Waste water	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	%
<b>Total</b>	<b>1,780</b>	<b>1,287</b>	<b>1,569</b>	<b>819</b>	<b>-47.80%</b>

**EN22** Total weight of waste by type and disposal method.

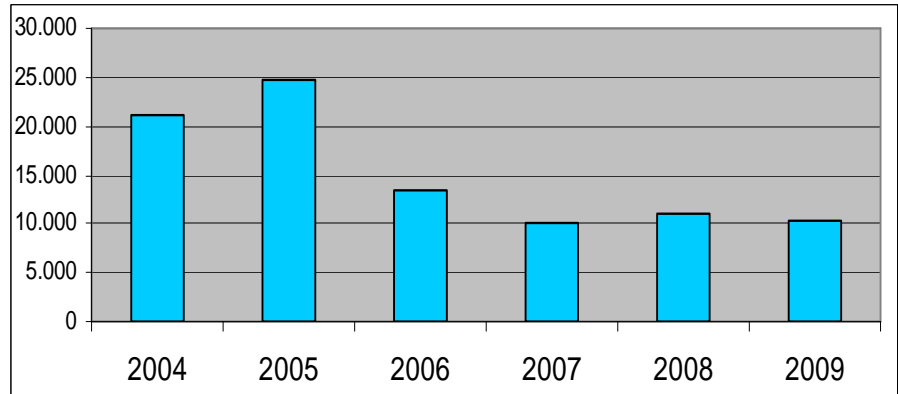
	2006 B60L	2007 B60L	2008 B60L	2009 B60L	Increase %
Biological					
<b>Total</b>	<b>774</b>	<b>749</b>	<b>844</b>	<b>1,283</b>	<b>52.01%</b>
	kg	kg	kg	kg	%
Chemical					
<b>Total</b>	<b>23,246</b>	<b>21,443</b>	<b>30,728</b>	<b>34,387</b>	<b>11.91%</b>

Charts of indicator trends

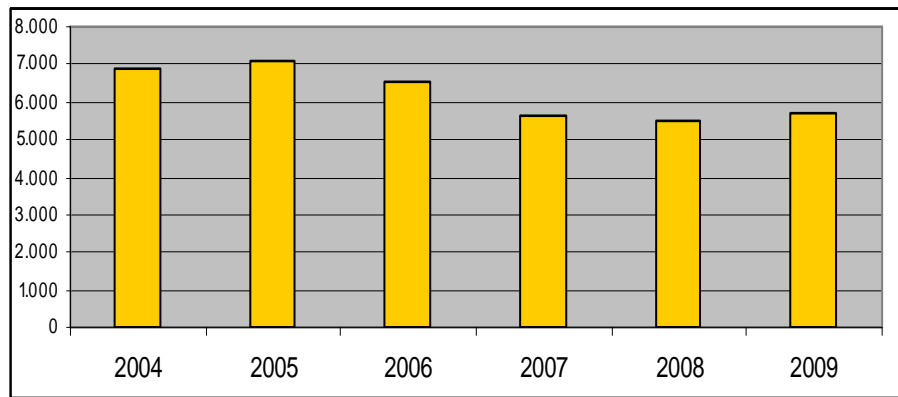
<b><u>Water Management Ratio</u></b>	
	<p>Water/Raw materials</p> <p>Annual average</p>
<b><u>Waste management ratio</u></b>	
	<p>Hazardous waste/Raw materials</p> <p>Annual average</p>
<b><u>Reagent use</u></b>	
Monthly change	<p>January</p> <p>February</p> <p>March</p> <p>April</p> <p>May</p> <p>June</p> <p>July</p> <p>August</p> <p>September</p> <p>October</p>

November  
December

**Water consumption**



**Electricity consumption**



## WORPLACE SAFETY INDICATORS

Workplace health and safety data are a key measure of an organisation's commitment to preventing accidents at work.

This approach should not confine itself to the workplace but should extend into the workers' social milieu, including measures to prevent commuting accidents.

### Safety indicators used in this Report.

<b>LA7</b>	Rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities by region.
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This indicator of accidents and occupational diseases, lost days and absenteeism in the reporting period uses the following formulas:

$$\text{Incidence index} = \frac{\text{No. accidents leading to lost days} \times 10^3}{\text{Average workforce}}$$

$$\text{Frequency index} = \frac{\text{No. accidents leading to lost days} \times 10^6}{\text{Actual hours worked}}$$

$$\text{Severity index} = \frac{\text{No. lost days} \times 10^3}{\text{Actual hours worked}}$$

### Accident indices

	2006	2007	2008	2009	SECTOR
Incidence	16.53	4.17	11.02	3.45	<b>12.32</b>
Frequency	9.19	2.32	6.29	1.97	<b>7.03</b>
Severity	0.07	0.02	0.10	0.00	<b>0.16</b>

**LA7** Rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities by region.

	2006	2007	2008	2009	Increase
No. of accidents leading to lost days	4	1	4	1	-75.00%
No. of accidents not leading to lost days (accident reports)	4	3	2	4	100.00%
No. of commuting accidents	0	1	2	2	0.00%
No. of commuting accidents not leading to lost days (no. of reports)	2	6	1	0	-100.00%

**Incidence and Frequency**

**Indices**

