**Dados de temperatura e tempo medidos durante a experiência**

**1 – Poder Calorífico – Turma 11**

|  |  |  |  |
| --- | --- | --- | --- |
| **TEMPO (min,s)** | **TEMPERATURA (oC)** | **TEMPO (min, s)** | **TEMPERATURA (oC)** |
| 0 | 24,72 | 7’00” | 25,98 |
| 1”00” | 24,72 | 8’00” | 26,10 |
| 2’00” | 24,72 | 9’00” | 26,16 |
| 3’00” | 24,72 | 10’00” | 26,18 |
| 4’00” | 24,72 | 11’00” | 26,18 |
| 5’00” | 24,74 | 12’00” | 26,20 |
| 5’45” | 25,30 | 13’00” | 26,20 |
| 6’00” | 25,54 | 14’00” | 26,20 |
| 6’15” | 25,68 | 15’00” | 26,20 |
| 6’30” | 25,76 | 16’00” | 26,20 |
| 6’45” | 25,90 | 17’00” |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Capaciade calorífica do calorímetro (cal/0C)** | **Combustível ensaiado** | **Massa do combustível (g)** | **PCS referência (literatura) kcal/kg)** | **Custo (R$/kg)** | **∆n/m** | **mH2O** |
| 2.168,09 | Óleo de soja | 0,9425 | 8.800 | 6,00 | -0,02568 | 1,054 |

**Dados de temperatura e tempo medidos durante a experiência 1 – Poder Calorífico – Turma 12**

|  |  |  |  |
| --- | --- | --- | --- |
| **TEMPO (min,s)** | **TEMPERATURA (oC)** | **TEMPO (min, s)** | **TEMPERATURA (oC)** |
| 0 | 24,74 | 7’00” | 27,28 |
| 1”00” | 24,74 | 8’00” | 27,56 |
| 2’00” | 24,76 | 9’00” | 27,66 |
| 3’00” | 24,76 | 10’00” | 27,68 |
| 4’00” | 24,76 | 11’00” | 27,70 |
| 5’00” | 24,76 | 12’00” | 27,72 |
| 5’45” | 25,96 | 13’00” | 27,72 |
| 6’00” | 26,50 | 14’00” | 27,72 |
| 6’15” | 26,78 | 15’00” | 27,72 |
| 6’30” | 27,04 | 16’00” | 27,72 |
| 6’45” | 27,20 | 17’00” |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Capaciade calorífica do calorímetro**  **Cal/0C** | **Combustível ensaiado** | **Massa do combustível (g)** | **PCS referência (literatura) kcal/kg)** | **Custo (R$/kg)** | **∆n/m** | **mH2O** |
| 2460,66 | Óleo de milho | 0,8796 | 7.600 | 7,00 | -0,02432 | 1,024 |

**Dados de temperatura e tempo medidos durante a experiência 1 – Poder Calorífico – Turma 21**

|  |  |  |  |
| --- | --- | --- | --- |
| **TEMPO (min,s)** | **TEMPERATURA (oC)** | **TEMPO (min, s)** | **TEMPERATURA (oC)** |
| 0 | 25,02 | 7’00” | 28,18 |
| 1”00” | 25,04 | 8’00” | 28,58 |
| 2’00” | 25,04 | 9’00” | 28,72 |
| 3’00” | 25,04 | 10’00” | 28,80 |
| 4’00” | 25,04 | 11’00” | 28,82 |
| 5’00” | 25,04 | 12’00” | 28,84 |
| 5’45” | 25,88 | 13’00” | 28,84 |
| 6’00” | 26,80 | 14’00” | 28,84 |
| 6’15” | 27,30 | 15’00” | 28,84 |
| 6’30” | 27,72 | 16’00” | 28,84 |
| 6’45” | 27,92 | 17’00” |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Capaciade calorífica do calorímetro** | **Combustível ensaiado** | **Massa do combustível (g)** | **PCS referência (literatura) kcal/kg)** | **Custo (R$/kg)** | **∆n/m** | **mH2O** |
| 2.168,09 | Óleo de milho | 0,9134 | 7.600 | 7,00 | -0,02432 | 1,024 |

**Dados de temperatura e tempo medidos durante a experiência 1 – Poder Calorífico – Turma 22**

|  |  |  |  |
| --- | --- | --- | --- |
| **TEMPO (min,s)** | **TEMPERATURA (oC)** | **TEMPO (min, s)** | **TEMPERATURA (oC)** |
| 0 | 24,82 | 7’00” | 27,83 |
| 1”00” | 24,82 | 8’00” | 28,24 |
| 2’00” | 24,82 | 9’00” | 28,50 |
| 3’00” | 24,82 | 10’00” | 28,59 |
| 4’00” | 24,82 | 11’00” | 28,61 |
| 5’00” | 24,82 | 12’00” | 28,61 |
| 5’45” | 26,02 | 13’00” | 28,61 |
| 6’00” | 26,54 | 14’00” | 28,61 |
| 6’15” | 27,06 | 15’00” | 28,61 |
| 6’30” | 27,40 | 16’00” |  |
| 6’45” | 27,64 | 17’00” |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Capaciade calorífica do calorímetro** | **Combustível ensaiado** | **Massa do combustível (g)** | **PCS referência (literatura) kcal/kg)** | **Custo (R$/kg)** | **∆n/m** | **mH2O** |
| 2.168,09 | Óleo de milho | 0,9157 | 7.600 | 7,00 | -0,02432 | 1,024 |

**Dados de temperatura e tempo medidos durante a experiência 1 – Poder Calorífico – Turma 23**

|  |  |  |  |
| --- | --- | --- | --- |
| **TEMPO (min,s)** | **TEMPERATURA (oC)** | **TEMPO (min, s)** | **TEMPERATURA (oC)** |
| 0 | 22,69 | 7’00” | 25,73 |
| 1”00” | 22,69 | 8’00” | 26,21 |
| 2’00” | 22,69 | 9’00” | 26,41 |
| 3’00” | 22,69 | 10’00” | 26,48 |
| 4’00” | 22,69 | 11’00” | 26,52 |
| 5’00” | 22,69 | 12’00” | 26,52 |
| 5’45” | 23,50 | 13’00” | 26,52 |
| 6’00” | 24,41 | 14’00” | 26,52 |
| 6’15” | 24,92 | 15’00” | 26,52 |
| 6’30” | 25,11 | 16’00” |  |
| 6’45” | 25,44 | 17’00” |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Capacidade calorífica do calorímetro (cal/0C)** | **Combustível ensaiado** | **Massa do combustível (g)** | **PCS referência (literatura) kcal/kg)** | **Custo (R$/kg)** | **∆n/m** | **mH2O** |
| 2460,66 | Óleo de soja | 1,0024 | 8.800 | 6,00 | -0,02568 | 1,054 |