**1.摩尔盐数据**

温度：t1=26.5℃ t2=25.8℃ t3=25.0℃

样品高度：h=15.04cm

空管：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电流/A | W1 | W2 | W3 | W4 |
| 0.0 | 15.0766 | 15.0763 | 15.0763 | 15.0759 |
| 1.0 | 15.0768 | 15.0764 | 15.0764 | 15.0760 |
| 2.0 | 15.0763 | 15.0763 | 15.0763 | 15.0763 |
| 3.0 | 15.0763 | 15.0764 | 15.0767 | 15.0759 |
| 4.0 | 15.0762 | 15.0764 | 15.0760 | 15.0763 |

空管加样品：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电流/A | W1 | W2 | W3 | W4 |
| 0.0 | 21.1403 | 21.1407 | 21.1407 | 21.1403 |
| 1.0 | 21.1463 | 21.1440 | 21.1433 | 21.1438 |
| 2.0 | 21.1515 | 21.1526 | 21.1510 | 21.1516 |
| 3.0 | 21.1646 | 21.1660 | 21.1647 | 21.1652 |
| 4.0 | 21.1829 | 21.1847 | 21.1833 | 21.1838 |

**2.七水合硫酸亚铁数据**

温度：t1=25.1℃ t2=27.0℃ t3=26.5℃

样品高度：h=15.19cm

空管：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电流/A | W1 | W2 | W3 | W4 |
| 0.0 | 14.5472 | 14.5478 | 14.5478 | 14.5474 |
| 1.0 | 14.5476 | 14.5473 | 14.5476 | 14.5474 |
| 2.0 | 14.5469 | 14.5470 | 14.5473 | 14.5468 |
| 3.0 | 14.5463 | 14.5467 | 14.5469 | 14.5468 |
| 4.0 | 14.5461 | 14.5461 | 14.5463 | 14.5462 |

空管加样品：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电流/A | W1 | W2 | W3 | W4 |
| 0.0 | 26.1794 | 26.1795 | 26.1795 | 26.1793 |
| 1.0 | 26.1862 | 26.1869 | 26.1860 | 26.1870 |
| 2.0 | 26.2058 | 26.2071 | 26.2054 | 26.2078 |
| 3.0 | 26.2389 | 26.2419 | 26.2383 | 26.2437 |
| 4.0 | 26.2837 | 26.2877 | 26.2848 | 26.2880 |

**3.亚铁氰化钾数据**

温度：t1=25.0℃ t2=24.9℃ t3=25.0℃

样品高度：h=15.08cm

空管：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电流/A | W1 | W2 | W3 | W4 |
| 0.0 | 14.9877 | 14.9879 | 14.9879 | 14.9877 |
| 1.0 | 14.9875 | 14.9875 | 14.9877 | 14.9876 |
| 2.0 | 14.9875 | 14.9873 | 14.9877 | 14.9871 |
| 3.0 | 14.9870 | 14.9869 | 14.9871 | 14.9870 |
| 4.0 | 14.9867 | 14.9864 | 14.9865 | 14.9864 |

空管加样品：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电流/A | W1 | W2 | W3 | W4 |
| 0.0 | 25.9677 | 25.9679 | 25.9679 | 25.9677 |
| 1.0 | 25.9677 | 25.9675 | 25.9673 | 25.9674 |
| 2.0 | 25.9675 | 25.9672 | 25.9669 | 25.9670 |
| 3.0 | 25.9663 | 25.9667 | 25.9664 | 25.9664 |
| 4.0 | 25.9657 | 25.9659 | 25.9652 | 25.9652 |

**4.仪器试剂信息**

|  |  |  |
| --- | --- | --- |
| 仪器名称 | 生产厂家 | 数量 |
| MB-1A 型磁天平 | 南京南大万和科技有限公司 | 1台 |
| CPA224S型电子天平 | Sartorius科学仪器有限公司 | 1台 |
| 玻璃样品管 |  | 3支 |
| 玛瑙研钵 |  | 3个 |
| 玛瑙研杵 |  | 3个 |
| 漏斗 |  |  |
| 药匙 |  |  |
| 温度计 |  | 1根 |

|  |  |  |
| --- | --- | --- |
| 试剂名称 | 生产厂家 | 药品编号 |
| (NH4)2Fe(SO4)2·6H2O分析纯 | 国药集团化学试剂有限公司 | 10001918 |
| FeSO4·7H2O 分析纯 | 国药集团化学试剂有限公司 | 10012118 |
| K4Fe(CN)6·3H2O 分析纯 | 国药集团化学试剂有限公司 | 10016818 |