**ASSAY**

**Analyte: Amonium chloride**

**Volumetric solution: 1 M Sodium hydroxide**

**Titre of volumetric solution:** **1.0101**

**Type of titration: Acid-base titration**

|  |  |  |  |
| --- | --- | --- | --- |
| **Titration No.** | **m [g]** *(4 decimal places) or* **V [ml]** | **Consumption of VS [ml]** | **ASSAY** |
| **1.** | **1.0100** | **11.67** | **63.053** |
| **2.** | **1.007** | **11.57** | **62.5129** |
| **3.** | **0.9995** | **11.15** | **60.2437** |
| **4.** | **1.0005** | **11.18** | **60.4058** |
| **Average** | | | **61.5538** |

**STATISTICAL EVALUATION**

**Range: R = 2.8093**

**Standard deviation** *(estimated from range)***: sd = 1.2451645925339**

**Relative standard deviation: RSD =2.34%**

**CONCLUSION** *(does your sample meet/not meet Ph. Eur).***: yes**