ASSAY   **Filippos Chatzitofi**

F16190

Analyt: Benzoic acid

Volumetric solution: 0,1M sodium hydroxide

Titre of volumetric solution: 0,9998

Type of titration: acid-base titration

Titration No.	m [g] *(4 decimal places) or* V [ml]	Consumption of VS [ml]	ASSAY
1.	0.2002g	14.38ml	87.68%
2.	0.2004g	14.57ml	88.75%
3.	0.1999g	14.08ml	85.98%
4.	0.1998g	14.24ml	87.005%
		Average	87.35%

STATISTICAL EVALUATION:

Range: **R =2.77**

Standard deviation *(estimated from range)***:**   **sd = 1.3453**

Relative standard deviation: **RSD = 1.5402**

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

1

Average values should be between 38,5-61,5, mine is 87,35 so it does not meet ph eur.