

# CERTIFICATE OF ANALYSIS

<b>Urease from Jack bean</b> lyophil.	<b>Cat.No. :</b> 37799
	<b>Contr.No.:</b> 210519

Parameter	Method	Specification	Result
<b>Molecular weight</b>		ca. 545 000	
<b>Appearance</b>		white lyophilisate	corresponds
<b>Activity (U/mg)</b>	Urease by Nessler's	min. 220	365
<b>Activity in other units (U/mg)</b>	Urease by Bergmeyer	min. 90	152
<b>Minimum shelf life</b>			23.04.2023
<b>Storage (°C)</b>			+2 to +8

## Unit definitions

### Urease (by Nessler's)

1 Unit is that amount of enzyme causing the liberation of 1  $\mu\text{mol}$  ammonia per minute at 25 °C, pH 7.0.

### Urease (by Bergmeyer)

1 Unit is that amount of enzyme causing the hydrolysis of 1  $\mu\text{mol}$  of urea per minute at 25 °C, pH 8.0.

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