

For Life Science research use only.  
Not for use in diagnostic procedures.



# Certificate of Analysis

Product Name: abalonase® ULTRA  
Form: Clear liquid solution.  
Catalog Number: UASBETA-GLUC  
Lot Number: A180418U  
Storage Temperature: +2 to +8 °C

CAS RN 9001-45-0  
EC 3.2.1.31  
Synonym:  $\beta$ -D-Glucuronide glucuronosohydrolase,  $\beta$ -Glucuronidase.

TEST	SPECIFICATION	RESULT	
Appearance	Clear solution	Clear solution	Pass
Glucuronidase Activity	$\geq 150,000$ Units/ml	182,327 Units/ml	Pass
Sulfatase Activity	None	None	Pass

Glucuronidase Unit Definition: One Unit will liberate 1.0  $\mu$ g of phenolphthalein from phenolphthalein glucuronide per hour at pH 5.0 and 37 °C (30 min assay).

Sulfatase Unit Definition: One unit will hydrolyze 1.0  $\mu$ mole of p-nitrocatechol sulfate per hour at pH 5.0 and 37 °C.

Manufactured date April 18, 2018  
Analysis date April 18, 2018  
Recommended re-evaluation date April 18, 2019

Analyzed by:

A handwritten signature in black ink, appearing to read 'Pablo Herrera', written over a horizontal line.

Pablo Herrera  
Analyst

Approved by:

A handwritten signature in black ink, appearing to read 'Oscar Donoso', written over a horizontal line.

Oscar Donoso  
Quality Assurance Manager