



# Certificate of Analysis

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

Product Name:  $\beta$ -Glucuronidase from red abalone (*Haliotis rufescens*)  
Form: Lyophilized powder  
Catalog Number: **BETA-GLUC**  
Lot Number: **S151117**  
Storage Temperature: -20° C

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

Manufactured date 17 November 2015  
Analysis date 17 November 2015  
Recommended re-evaluation date 17 November 2018

TEST	SPECIFICATION	RESULT	
Appearance	Brown powder	Brown powder	Pass
Glucuronidase Activity	1,000,000 to 6,000,000 Units/gr solid	3,588,110 Units/gr solid	Pass
Sulfatase Activity	< 150,000 Units/gr solid	15,994 Units/gr solid	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.

Analyzed by:

Roberto Muñoz  
Title: Analyst

Approved by:

Martha Heller  
Title: Quality Assurance Director

Doc Approval Date: 1/2/2014

Page 1 of 1