



# 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: **S181119**

Storage Temperature: -20° C

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

Manufactured date November 19, 2018  
Analysis date November 22, 2018  
Recommended re-evaluation date November 22, 2021

TEST	SPECIFICATION	RESULT	
Appearance	Brown powder	Brown powder	Pass
Glucuronidase Activity	1,000,000 to 20,000,000 Units/gr solid	4,010,541 Units/gr solid	Pass
Sulfatase Activity	< 150,000 Units/gr solid	49,391 Units/gr solid	Pass

Lot specific weight-enzymatic activity equivalencies:

$\beta$ -Glucuronidase Activity (units)	Weight (mg)
100,000	24.93
250,000	62.34
500,000	124.67
1,000,000	249.34
2,000,000	498.69

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.

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