



Certificate of Analysis

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

Product Name: β -Glucuronidase from red abalone (*Haliotis rufescens*)
Form: Lyophilized powder
Catalog Number: **BETA-GLUC**
Lot Number: **S181004**
Storage Temperature: -20° C

CAS RN 9001-45-0
EC 3.2.1.31
Synonym: β -D-Glucuronide glucuronosohydrolase

Manufactured date October 04, 2018
Analysis date October 05, 2018
Recommended re-evaluation date October 05, 2021

TEST	SPECIFICATION	RESULT	
Appearance	Brown powder	Brown powder	Pass
Glucuronidase Activity	1,000,000 to 20,000,000 Units/gr solid	4,550,321 Units/gr solid	Pass
Sulfatase Activity	< 150,000 Units/gr solid	30,089 Units/gr solid	Pass

Lot specific weight-enzymatic activity equivalencies:

β -Glucuronidase Activity (units)	Weight (mg)
100,000	21.98
250,000	54.94
500,000	109.88
1,000,000	219.76
2,000,000	439.53

Glucuronidase Unit Definition: One Unit will liberate 1.0 μ 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 μ mole of p-nitrocatechol sulfate per hour at pH 5.0 and 37 °C.

Analyzed by:

Pablo Herrera
Analyst

Approved by:

Oscar Donoso
Quality Assurance Manager

Doc Approval Date: 1/2/2014