



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: **S180712**
Storage Temperature: -20° C

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

Manufactured date July 12, 2018
Analysis date July 12, 2018
Recommended re-evaluation date July 12, 2021

TEST	SPECIFICATION	RESULT	
Appearance	Brown powder	Brown powder	Pass
Glucuronidase Activity	1,000,000 to 20,000,000 Units/gr solid	4,501,045 Units/gr solid	Pass
Sulfatase Activity	< 150,000 Units/gr solid	45,854 Units/gr solid	Pass

Lot specific weight-enzymatic activity equivalencies:

β -Glucuronidase Activity (units)	Weight (mg)
100,000	22.22
250,000	55.54
500,000	111.09
1,000,000	222.17
2,000,000	444.34

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