



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: **S161206**
Storage Temperature: -20° C

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

Manufactured date December 6, 2016
Analysis date December 6, 2016
Recommended re-evaluation date December 6, 2019

TEST	SPECIFICATION	RESULT	
Appearance	Brown powder	Brown powder	Pass
Glucuronidase Activity	1,000,000 to 20,000,000 Units/gr solid	5,512,044 Units/gr solid	Pass
Sulfatase Activity	< 150,000 Units/gr solid	38,995 Units/gr solid	Pass

Lot specific weight-enzymatic activity equivalencies:

β -Glucuronidase Activity (units)	Weight (mg)
100,000	18.44
250,000	45.36
500,000	90.71
1,000,000	181.42
2,000,000	362.84

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:

Roberto Muñoz
Title: Analyst

Approved by:

Martha Heller
Title: Quality Assurance Director