

## 3341– G-418-DISULPHATE (GENETICIN SULPHATE)

REF NO: TBL/QA/SS/LC/3341	<b>STANDARD SPECIFICATION FOR G-418-DISULPHATE (GENETICIN SULPHATE)</b>	Rev. No: 03
Issue No: 04		Review Date: 28/10/2024
Issue Date: 29/10/2021		Product code: 3341

### PRODUCT PROPERTIES

<b>C.A.S Number</b>	108321-42-2
<b>Chemical Formula</b>	C <sub>20</sub> H <sub>40</sub> N <sub>4</sub> O <sub>10</sub>
<b>Formula weight</b>	692.70
<b>Functional Uses</b>	Commonly know as G418 or G-418, Gibco Geneticin reagent is an aminoglycoside related to gentamicin, and is commonly used as a selective agent for eukaryotic cells. As an analog of neomycin sulfate, it interferes with the function of 80S ribosomes and protein synthesis in eukaryotic cells.
<b>Standard Packaging</b>	500 mg, 1 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Assay	NLT – 98.0%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

