

for providing eggs of Lamerin silkworm breed. I have the pleasure in expressing my deep sense of respect and heartfelt thanks to proficient person Mr. Ab. Khyoom Sahib, for his inspiration, encouragement, and suggestions to attain this stage. I thank Aabid, Asma, Firdose, Esha, Shahnawz Ahmad, Mohmmad Shafi and Debunirmalya Gangpadhyay for their support.

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SYMBOLS AND ABBREVIATIONS USED

%	: Percentage
μ	: Micron(s)
μm	: Micrometer
Annon.	: Anonymous
Bl. Powder	: Bleaching Powder
BmCPV	: <i>Bombyx mori</i> Cytoplasmic Polyhedrosis Virus
BmDNV	: <i>Bombyx mori</i> Densonucleosis Virus
BmIFV	: <i>Bombyx mori</i> Infectious Flacherie Virus
BmNPV	: <i>Bombyx mori</i> Nuclear Polyhedrosis Virus
Cl ₂	: Chlorine dioxide
Conc.	: Concentration
D:H	Days : Hours
ERR	: Effective rate of rearing
g	: Gram(s)
h	: hour
ha	: Hectare
HCl	: Hydrochloric Acid
K ₂ CO ₃	: Potassium Carbonate
kDa	: kilodaltons
KMnO ₄	: Potassium permanganate
KOH	: Potassium hydroxide
Lb _{ms}	: Lamerin microsporidia
LC ₅₀	: Lethal Concentration
mg	: Milligram (s)
min	: Minute
ml	: Milliliter (s)
MT	: Metrictones(s)
N	: Normality
<i>N. b</i>	: <i>Nosema bombycis</i>
NA	: Not available
NaCl	: Sodium Chloride

ng	:	nanograms
°C	:	Degree Centigrade
PBS	:	Phosphate buffer saline
pH	:	Power of hydrogen in a dilute solution
PI	:	Post inoculation
ppm	:	Parts per million
RAMOC	:	Reduction in mortality over inoculated control
RH	:	Relative Humidity
rpm	:	Rotations per minute
SCW	:	Single cocoon weight
SD	:	Standard Deviation
SDS-PAGE	:	Sodium Dodesyl Sulphate Polyacrylamide Gel Electrophoresis
SE	:	Standard Error
SEM	:	Scanning electron microscopy
Sp.	:	Species
Sq. cm.	:	Square centimeter
SR	:	Silk content ratio
SSW	:	Single shell weight
TEM	:	Transmission electron microscopy
Treat.	:	Treatment
UV	:	Ultra Violet
w/v	:	Weight/Volume
Wt.	:	Weight