



# Guangzhou Genxion Biotechnology Co.,Ltd

## Certificate of Analysis

Catalog #	G001
Product Name	GenRed Nucleic acid Gel Satin 10000 × in water
Molecular weight	Proprietary (MW>1000)
Solubility	Soluble in water

### Functional Test

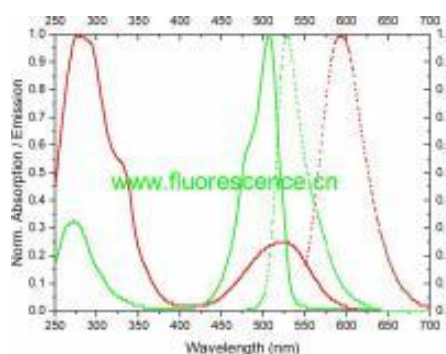
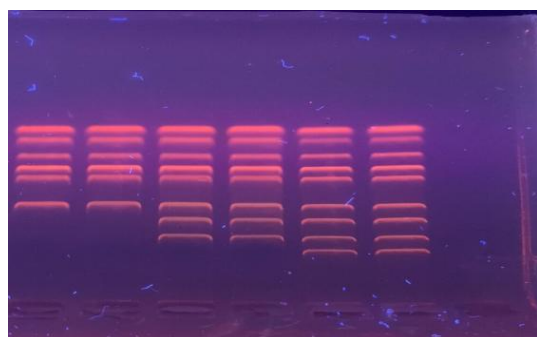


Figure1. GenRED Agarose Gel Electrophoresis :  
 lines: Absorption  $\lambda_{max}$ =270nm, 505nm; Emission  $\lambda_{max}$ =525 nm) in TE buffer with dsDNA;  
 Figure 2. Normalized excitation and emission spectra of GenRED®(green)  
 lines: Absorption  $\lambda_{max}$ =290nm, 520nm; Emission  $\lambda_{max}$ =590 nm) in TE buffer with dsDNA

Items	Lot # 2 3 0 4 3 0	Specifications
Appearance	Red liquid	Red liquid
Absorption Spectrum O.D. @500 nm	220	>200
Extinction Coefficient( $\text{cm}^{-1} \text{M}^{-1}$ )	N/A	N/A
All Dyes HPLC Purity	97.809%	>90% @ 254nm
Storage Condition	R T , avoid light	R T , avoid light
Shipping Condition	RT	Room temperature

Report Date: 2023年7月5日

