TOPSCIENCE众山

Medical Device Grade PDRN/PN

Polydeoxyribonucleotide
Polynucleotide

Master Files Registration Number:
M2026076-000, 2026100-000

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PRODUCT NAME: Polydeoxyribonucleotide(PDRN)/Polynucleotide(PN)

INCI NAME: DNA Sodium

RECOMMENDED DOSAGE: 0.1%~2%



PRODUCT ADVANTAGES

Extracted from salmon milt, it preserves native DNA structure with exceptional purity.

It offers a wide molecular weight range and is customizable to meet specific client requirements.

It is self-gelling with exceptional stretchability and shape retention.

PRODUCT SPECIFICATIONS

Items	Specifications
Characters	White or almost white powder or fibrous aggregate
Identification	Ratio of absorbance at 260 nm and 280 nm 1.8-2.0
A600 nm	Clear and the absorbance is NMT 0.01 at 600 nm
pH	5.0 ~ 9.0 (1.0% solution)
Light Transmittance	≥ 99.0% (0.5% solution)
Protein	≤ 1.0% (on the dried substance)
Average molecular weight	Measured Value
Loss on drying	≤ 20.0%
Assay	≥ 97% (on the dried substance)
Bacterial Endotoxins	< 0.5 EU/mg
Total aerobic microbial count	≤ 100 cfu/g
Total combined yeasts /mould count	≤ 10 cfu/g
Staphylococcus aureus	Negative
Pseudomonas aeruginosa	Negative
Escherichia coli	Negative

SAFETY TEST

Completed safety evaluations include Test for in vitro cytotoxicity, Skin Sensitization Test, Animal Intracutaneous (intradermal) Reactivity Test, Acute Systemic Toxicity, Bacterial Reverse Mutation Test, and In Vitro Mammalian Gene Mutation Test.

APPLICATIONS

Suitable for Class II and III medical devices, such as skin booster and dermal filler.

PACKAGE AND STORAGE

1. 1g/bag, 2g/bag, 5g/bag, 10g/bag, 100g/bag or customized package, Pharmaceutical low-density polyethylene (LDPE) bag with outer aluminum foil bag.
2. In an airtight container, protected from light and humidity, at 2-8°C.