

## SODIUM DECANOATE

### BIOTECH, GMP

### BIO PHARMA GRADE / NDEC-4201

$C_{10}H_{19}NaO_2$  \* F.W. 194.25 g/mol \* CAS# 1002-62-6

### Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

Sodium Decanoate, or sodium caprate, is the sodium salt of caproic acid, a 10-carbon saturated fatty acid. It has amphiphilic character and can form micelles and liquid crystalline phases in aqueous solution. Sodium decanoate's properties help elucidate the transport of biologically active molecules and therefore serves in many applications as a bioavailability enhancer.

### SPECIFICATIONS

ANALYSIS	SPECIFICATIONS
Appearance	White to off white powder
Assay, Dried Basis	97.0 - 103.0%
Identification, IR	Conforms to Reference Standard
Loss on Drying	≤ 3.0%
pH (10%)	9.0 – 11.0
Single Impurities	≤ 1.0%
Sodium	Passes Test
Solubility in Water	Passes Test
Water, KF	1.5 - 3.0%

#### General Product Description:

Molecular Formula:  $C_{10}H_{19}NaO_2$

Molecular Weight: 194.25 g/mol

CAS Number: 1002-62-6

#### Sodium Decanoate Biotech:

- Appears as a white to off-white powder.
- Is manufactured under an ICH-Q7 Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- Has no known major food allergens (as defined by FDA and WHO)
- The final product nor its raw materials are not derived from nor come into contact with animals, animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: Sodium Caprate, Decanoic acid Sodium salt, Capric acid Sodium salt

#### Shelf Life Policy:

Three-year expiry from the date of manufacture.

#### Storage and Shipping Conditions:

Please refer to the SDS for storage and shipping conditions.

#### Package Size:

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg