

## TBF 127 – SODIUM PROPIONATE POWDER (VICTORY NAP)

REF NO: TBL/QA/SS/F/TBF 127	STANDARD SPECIFICATION FOR SODIUM PROPIONATE POWDER (VICTORY NAP)	Rev. No: 03
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### PRODUCT PROPERTIES

C.A.S Number	137-40-6
Chemical Formula	$C_3H_5NaO_2$
Formula weight	96.06
Functional Uses	Sodium propionate is generally used as a preservative in bread due to its anti-microbial and anti-mycotic properties.
Standard Packaging	50 Kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or colourless, hygroscopic crystals with not more than a faint characteristic odour
Solubility	Freely soluble in water, soluble in ethanol
Test for sodium	Passes test
Test for propionate	Warm the sample with sulfuric acid. The propionic acid evolved may be recognized by its odour.
Test for alkali salt of organic acid	Ignite the sample at a relatively low temperature. The alkaline residue effervesces with acid.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1 in 10 sol.)	7.5 - 10.5
Loss on drying (105°C, 2 h)	NMT – 4.0%
Water-insoluble matter	NMT – 0.1%
Iron	NMT – 50 mg/kg
Lead	NMT – 5 mg/kg
Assay (on dried basis)	NLT – 99.0%

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

