

# Vitamin B1 MONONITRATE 98%

## Technical Data Sheet

COMMERCIAL PRODUCT NAME: VITAMIN B1 MONO

COMMON CHEMICAL NAME : THIAMINE MONONITRATE

MOLECULAR FORMULA: C<sub>12</sub>H<sub>17</sub>N<sub>5</sub>O<sub>4</sub>S

MOLECULAR WEIGHT: 327.36

PURITY (HPLC):MIN. 98.0%

THE PRODUCT CONSISTENT TO BP/USP/EP

SHELF LIFE: MINIMUM 3 YEARS.

PHYSICAL AND CHEMICAL PROPERTIES

STORAGE: IN TIGHTLY CLOSED CONTAINERS IN A DARK AND DRY PLACE AT A TEMPERATURE BELOW 25°C

- APPEARANCE : CRYST POWDER
- COLOR : WHITE
- ODOUR: : CHARACTERISTIC ORDOUR
- MELTING POINT 190.0°- 190 .4C°
- PH : 6.8-7.5

### DATA SHEET

ITEM	QUALITY INDEXES	ANALYSIS RESULT
PURITY %	98.0-101.0	99.10
CHLORIDE	≤0.06%	<0.03%
HEAVY METAL	20PPM MAX	<20PPM
CHROMATOGRAPHIC PURITY	≤1.0%	0.4%
LOSS ON DRYING	≤1.0%	0.5%