### Product Information

#### Product Code
- RM061

#### Product Name
- L-Proline

#### Synonym
- (S)-Pyrrolidine-2-carboxylic acid; 2-Pyrrolidinecarboxylic acid

#### Molecular Formula
- C₅H₉NO₂

#### Molecular Weight
- 115.13

#### CAS No.
- 147-85-3

#### EC No.
- 205-702-2

#### HS Code
- 2933 99 80

#### Shelf Life
- 4 years

### Technical Specification

#### Appearance
- White solid or crystals or powder

#### Solubility
- 33.3 mg soluble in 1 mL of water

#### pH (10% in water at 25°C)
- 5.00 - 7.00

#### FTIR (KBr disc)
- Matches with the standard pattern

#### Specific rotation [alpha 20/D]
- -86.0° to -84.0° (c = 5% in water)

#### Heavy metals (as Pb)
- <= 0.002%

#### Arsenic (As)
- <= 0.0003%

#### Loss on drying
- <= 0.30%

#### Residue on ignition
- <= 0.10%

#### Assay (NT)
- 99.00 - 101.00 %

### Risk and Safety Information

#### WGK
- 1

#### RTECS
- TW3584000

#### Storage Temperature(°C)
- Store below 30°C

### Transport Information

#### Marine Pollutant
- -

#### ADR/RID
- Not Dangerous Goods

#### IMDG
- Not Dangerous Goods

#### IATA
- Not Dangerous Goods