## GRM067  L-Tryptophan

### Product Number Packing
- GRM067 : 25G
- GRM067 : 500G
- GRM067 : 5G

### Product Information
- **Product Code**: GRM067
- **Product Name**: L-Tryptophan
- **Synonym**: L-α-Amino-3-indolepropionic acid
- **Molecular Formula**: C_{11}H_{12}N_{2}O_{2}
- **Molecular Weight**: 204.23
- **CAS No.**: 73-22-3
- **EC No.**: 200-795-6
- **HS Code**: 2933 99 80
- **Shelf Life**: 4 years

### Technical Specification
- **Appearance**: White to off-white crystals or powder
- **Solubility**: 33.3 mg soluble in 1 mL of 0.5M hydrochloric acid
- **pH (1% in water at 25°C)**: 5.50 - 7.00
- **FTIR (KBr disc)**: Matches with the standard pattern
- **Specific rotation**: -33.0° to -29.4° (c = 1% in water at 25°C)
- **Melting range**: 280 - 285°C
- **Iron (Fe)**: <= 0.003%
- **Sulfate (SO_{4})**: <= 0.03%
- **Chloride (Cl)**: <= 0.05%
- **Loss on drying (at 105°C, 3 hr)**: <= 0.30%
- **Assay (HPLC/NT, on dry basis)**: 98.00 - 101.50%

### Risk and Safety Information
- **WGK**: 1
- **RTECS**: YN6130000
- **Storage Temperature(°C)**: Store below 30°C

### Transport Information
- **Marine Pollutant**: No
- **ADR/RID**: Not Dangerous Goods
- **IMDG**: Not Dangerous Goods
- **IATA**: Not Dangerous Goods

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