Product Information

RM1740  L-Pyroglutamic acid

Product Number  Packing
RM1740  100G
RM1740  25G

Product Information

Product Code  RM1740
Product Name  L-Pyroglutamic acid
Synonym  L-5-Oxo-2-pyrrolidinecarboxylic acid; (S)-(-)-2-Pyrrolidinone-5-carboxylic acid
Molecular Formula  C₅H₇NO₃
Molecular Weight  129.11
CAS No.  98-79-3
EC No.  202-700-3
HS Code  2933 79 00
Shelf Life  4 years

Technical Specification

Appearance  White to off-white crystals or powder
Solubility  100 mg soluble in 1 mL of water
FTIR (KBr disc)  Matches with the standard pattern
Specific rotation [alpha 20/D]  -12.0° to -8.0°(c = 5% in water)
Melting range  152 - 162°C
Assay (NaOH Titration/GC)  min. 98.00 %

GHS Safety Information

Hazard Statement(s)  H315-H319-H335
Precautionary Statement(s)  P261-P305+P351+P338
Signal Word  Warning

Risk and Safety Information

R-Phrase(s)  36/37/38
S-Phrase(s)  26-36
WGK  3
RTECS  TW3710000
Storage Temperature(°C)  Store below 30°C

Transport Information

Marine Pollutant  -
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<td>ADR/RID</td>
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