

RM041 L-Asparagine monohydrate

Product Number

Packing

RM041	: 100G
RM041	: 1KG
RM041	: 25G
RM041	: 500G

Product Information

Product Code	: RM041
Product Name	: L-Asparagine monohydrate
Synonym	: L-Aspartic acid 4-amide
Molecular Formula	: $C_4 H_8 N_2 O_3 \cdot H_2 O$
Molecular Weight	: 150.13
CAS No.	: 5794-13-8
EC No.	: 200-735-9
HS Code	: 2924 19 00
Shelf Life	: 4 years

Technical Specification

Appearance	: Colourless to white to off-white crystals or powder
Solubility	: 33.3 mg soluble in 1 mL of water
pH (2% in water at 25°C)	: 4.00 - 6.00
FTIR (KBr disc)	: Matches with the standard pattern
Specific rotation [α 20/D]	: +33.0° to +36.5° (c = 1% in 6N HCl)
Melting range	: 233 - 235°C
Loss on drying (at 105°C, 3 hrs)	: 11.50 - 12.50 %
Assay (NT)	: 99.50 - 101.00 %

Risk and Safety Information

WGK	: 1
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