
L-Aspartic acid

GRM043

Product Identifier

CAS No.	:	56-84-8
EC No.	:	200-291-6
Molecular Formula	:	C ₄ H ₇ NO ₄
Molecular Weight	:	133.10
HS Code	:	2922 49 90
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to off-white crystals or powder
Solubility	:	33.3 mg soluble in 1 mL of dilute hydrochloric acid
FTIR	:	Matches with the standard pattern
Specific rotation	:	+24.0° to +26.0° (c = 8% in 6N hydrochloric acid)
Chloride (Cl)	:	<= 0.02%
Sulfate (SO ₄)	:	<= 0.03%
Heavy metals (as Pb)	:	<= 0.001%
Iron (Fe)	:	<= 0.001%
Loss on drying (at 105°C, 3 hr)	:	<= 0.50%
Residue on ignition	:	<= 0.10%
Assay (NT/NaOH Titration, on dry basis)	:	98.50 - 101.50%

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	CI9098500
WGK	:	1