

Specification

Technical Data Sheet

Product Name	L-Pyroglutamic acid
Product No	90032664
CAS Number	98-79-3
Storage Temperature	Ambient
Molecular Weight	129.11
	Specification
Appearance	White to off-white crystals or crystalline powder
Loss on Drying	≤ 0.50%
Melting Point	161 - 163°C
Residue on ignition	≤ 0.20%
Assay	98.5 - 101.0%
Chloride (Cl)	≤ 0.02%
Glutamic acid content	≤ 0.5% (HPLC)

Specification

Heavy Metals (Pb)	$\leq 10\text{ppm}$
Iron (Fe)	$\leq 10\text{ppm}$
Specific optical rotation	-26 to -28° [10% NaOH]
Ammonium (NH₄)	$\leq 0.02\%$
Arsenic (As₂O₃)	$\leq 1\text{ppm}$
Identification (IR)	Conforms to reference
Specific Optical Rotation[α]D₂₀	-11.0 to -11.5° (C=2, H ₂ O)
Sulphate (SO₄)	$\leq 0.02\%$
