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Certificate of Analysis

Product	61988 - Proline BP - [147-85-3]
Batch No	6346923
Analysis Date	07-Dec-2022
Date of Manufacture	December 2022
Expiry Date/Re-Test Date	November 2025
Molecular Formula	C5H9NO2
Molecular Weight	115.13

Test Parameters	Standards	Actual Results
Appearance (Colour)	White or almost white, colourless	White
Appearance (Form)	Crystalline powder or crystals	Crystalline powder
Solubility	Very soluble in water, freely soluble in ethanol (96%)	Complies
Identification	A) By specific optical rotation C) By TLC	Complies Complies
Identification (IR Spectrum)	B) Passes	Passes
Appearance of Solution	2.5g in 50ml water is clear and colourless	Complies
Specific rotation [α]	-86.0° to -84.0° (dried substance) (C=4, water)	-85.674°
Ninhydrin - Positive substance	Individual impurity : Max 0.2% Total impurities: Max 0.5%	Complies Complies
Chloride (Cl)	Max. 200ppm	Complies
Sulphate (SO4)	Max. 300ppm	Complies
Ammonium (NH4)	NMT area of corresponding peak obtained from reference solution (c) (0.02%)	Complies
Iron (Fe)	Max. 10ppm	Complies
Loss on drying	Max. 0.5%	0.2%
Sulphated Ash	Max. 0.1%	0.04%
Assay (On dry basis)	98.5 - 101.0%	99.7%
Reference	BP 2020	

FRM/82/11/4/61988 Rev No. 1 Date 15/05/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Taloja – 410 208, Maharashtra, India

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