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## Certificate of Analysis

<b>Product</b>	<b>11479 - D-Asparagine Monohydrate extrapure, 99% - [5794-24-1]</b>
<b>Batch No</b>	<b>6840255</b>
<b>Analysis Date</b>	15-Mar-2022
<b>Date of Manufacture</b>	March 2022
<b>Expiry Date/Re-Test Date</b>	March 2027
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> .H <sub>2</sub> O
<b>Molecular Weight</b>	150.14

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless	Colourless
Assay	min. 99%	99.3%
Specific rotation [α]	-28.5° to -30.5° (C=5, 5N HCl)	-30.4°
Sulphated Ash	max. 0.1%	0.05%
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Water (KF)	10 to 14%	11.5 %
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/11479 Rev No. 2 Date 13/03/2022

Prepared by PPatil

In compliance with the standard specifications of SRL

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

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