

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	D-Aspartic Acid
<b>Batch Number</b>	CP102420492401
<b>Manufacture Date</b>	2024-09-24
<b>Expiry Date</b>	2027-09-23
<b>Quantity</b>	900 kg
<b>Analysis Date</b>	2024-09-27

### Physical & Chemical Characteristics

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	White crystals or crystalline powder	Conforms
Assay	98.5% – 101.0%	99.2%
pH	2.5 – 3.5	2.92
State of Solution	Clear and colorless	Clear and colorless
Transmittance	≥98.0%	98.8%
Specific Rotation $[\alpha]_{D20}$	-24.0° – -26.0°	-24.6°
Loss on Drying	≤0.20%	0.14%
Residue on Ignition	≤0.10%	0.07%
Chloride (Cl)	≤0.02%	0.02%
Ammonium (NH <sub>4</sub> )	≤0.02%	0.02%
Sulphate (SO <sub>4</sub> )	≤0.020%	0.02%
Iron (Fe)	≤10 ppm	<10 ppm
Heavy metals, as Pb	≤10 ppm	<10 ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤1 ppm	<1 ppm
Other amino acids	Not detectable	Conforms