

CERTIFICATE OF ANALYSIS

Product Name:	Ademetionine 1,4-butanedisulfonate	Cas No.:	101020-79-5
Quantity:	400kg	Production Date:	2022.06.12
Batch No:	ST220616	Expiry Date:	2024.06.11

Item	Specification	Results
Appearance	Almost white powder(very hygroscopic), Soluble in water	Complies
Identification	1) Chemical reaction 2) IR: consistent with the spectrum obtained with reference substances 3) The retention time of a major peak meets the requirements	1) Positive reaction 2) Complies 3) Complies
Clarity and color of solution	No more intensely colored than reference solution Y1	Complies
pH	1.5~2.5	1.9
Optical Rotation	+28~+32°	+31°
Water	≤3.0%	2.3%
Residue on ignition	≤0.1%	0.06%
Heavy metals	≤10ppm	Complies
Protein	Complies	Complies
Endotoxin	≤0.3EU/mg	Complies
Related substance	S-adenosyl-L-homocystein: ≤0.5%	0.06%
	Methylthioadenosine: ≤1.0%	0.31%
	Adenine: ≤0.5%	0.09%
	The other largest impurities: ≤0.1%	0.04%
Microbiological	The other total impurities: ≤0.5%	0.12%
	(S,S)Isomer: ≥65.0%	77.6%
	Total plate count: ≤1000cfu/g	3cfu/g
	Yeast and mold count: ≤100cfu/g	1cfu/g
Assay (on the dried basis)	E.coli: Absent/g	Not detected
	Butanedisulfonate: 46.0%~49.0%	48.8%
	Ademetionine: 50.0%~53.0%	51.6%
	Total content: ≥97.5%	100.3%

Storage: Airtight, keep it at the condition of 2~8°C.

Conclusion The batch is in compliance with enterprise standard.

QC:

May Jiu

QA:

Cathy Shen