

CERTIFICATE OF ANALYSIS

Product Name: Ademetionine 1,4-Butanedisulfonate

CAS No. 101020-79-5

Quantity: 1kg

Batch No. : ABT-API0320161210

Date of Production: Dec. 10, 2016

Date of Analysis: Dec. 11, 2016

Date of Expiry: Dec. 09, 2018

Items	Requirements	Results
Appearance	White to off-white powder	White crystalline powder
HPLC	The retention time of the major peak corresponds to the reference sample	Complied
Specific Optical Rotation	+28.0°~+34.0°	+30.9°
PH(0.4% AQUEOUS SOLUTION)	1.8-2.5	2.2
Water	≤3.0%	2.3%
Residue on Ignition	≤0.1%	0.1%
Heavy Metals	≤10ppm	Qualified
Content of Ademetionine(HPLC)	50.0~54.0%	50.8%
Content of 1,4-butanedisulfonate	46.0~49.0%	48.2%
(S, S) Isomer	60.0% - 75.0%	74.1%
Total Impurities	≤2.5%	0.3%
Total Other Impurities	≤1.0%	0.1%
Other individual impurity	≤0.5%	0.1%
Related Substance (HPLC)	Adenine ≤0.5%	0.03%
	Methylthio Adenosine ≤0.5%	0.01%
	S-Adenosine-L-Homocysteine ≤0.5%	0.1%



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Assay	$\geq 97.0\%$	99.0%
Bacterial endotoxin	$\leq 0.25\text{EU/mg}$	Complied
Microbiology		
Total Aerobic Count	$\leq 200\text{cfu/g}$	Complied
Total Combined Yeasts and Molds Count	$\leq 100\text{cfu/g}$	Complied
E. coli	Absent/10g	Complied
Conclusion: Meets the requirements		

Storage Condition: refrigerate -18°C , tightly closed.

Chief of QC.: Huang Changyang

Analyst: Lihui

Approved by: Chen Luozhen

