

CERTIFICATE OF ANALYSIS

Product Name		Ademetionine 1,4-butanedisulfonate	Batch No.	KN220301
CAS No.		101020-79-5	Packaging	25kg/drum
Date of Manufacture		Mar.07, 2022	Expiry Date	Mar.06, 2024
Inspection Standard		Enterprise Standard		
Test Items		Specifications	Results	
Appearance		White to off-white Powder	White crystalline powder	
HPLC		The retention time of the major peak corresponds to the reference sample	Complies	
Specific Rotation		+28 °~+34 °	+31 °	
Water		≤3.0%	1.9%	
PH (0.4% AQUEOUS SOLUTION)		1.8 -2.5	2.3	
Residue on ignition		≤0.5%	0.1%	
Heavy Metals		≤10ppm	Complies	
Content of Ademetionine (HPLC)		50.0 - 54.0%	51.0%	
Content of 1,4-butanedisulfonate		46.0%–49.0%	47.6%	
S, S-isomer		≥60%	80.8%	
Related substances (HPLC):				
ADENOSINE		≤0.5%	0.01%	
ADENINE		≤0.5%	0.1%	
S-ADENOSYL-L-HOMOCYSTEINE		≤0.5%	0.04%	
METHYLTHIOADENOSINE		≤1.0%	0.3%	
OTHER INDIVIDUAL IMPURITY		≤0.1%	0.08%	
TOTAL OTHER IMPURITIES		≤1.0%	0.3%	
TOTAL IMPURITIES		≤2.5%	0.7%	
ASSAY		≥97.0%	98.6%	
Bacterial Endotoxin		≤0.25EU/mg	Complies	
Microbiology	Total Aerobic Count	≤200cfu/g	Complies	
	Total Combined Yeasts and Molds	≤100cfu/g	Complies	
	E. coli	Absent/10g	Complies	
Conclusion		Complies with Enterprise standard		

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