

Beijing Mesochem Technology Co.,Ltd

Tel : 010-57862036、 65405760

Fax : 010-57862181

Add : Floor 23, Building 9, Lippo Plaza, Economic and Technological Development Zone, Beijing

Website: www. mesochem. com

# CERTIFICATE OF ANALYSIS

Product Name		Ademetionine 1, 4-butanedisulfonate	Batch No.	E220402
Quantity		650kg	Packaging	25kg/drum
Date of Manufacture		APR.22, 2022	Expiry Date	APR.21,2024
Inspection Standard		Enterprise standard		
Storage conditions		Temperature: 2-8 ° C, protect from light.		
Test Items		Specifications	Results	
Description		White to off-white Powder, Hygroscopic	White powder, Hygroscopic	
Identification IR		Infrared absorption spectrum of the sample corresponds to that of the reference standard.	Complies	
Solubility		Very soluble in water, freely soluble in formamide and in a mixture of equal volumes of methanol and formamide, insoluble in methanol and ethanol.	Complies	
Clarity of Solution		Clear	Complies	
Color of Solution		Colorless	Complies	
HPLC		The retention time of the major peak corresponds to the reference sample	Complied	
Specific Rotation		+28°~+34°	+30°	
Water		3.0% MAX	2.5%	
PH (0.4% AQUEOUS SOLUTION)		1.8 -2.5	2.3	
Sulfated Ash		≤0.5%	0.02%	
Heavy Metals		Not more than 10 ppm	Complied	
Content of Ademetionine(HPLC)		50.0 - 54.0%	51.1%	
Content of 1,4-butanedisulfonate		46.0%–49.0%	48.1%	
S,S-isomer		≥60%	77.9%	
Related substances(HPLC):				
ADENOSINE		≤0.5%	0.03%	
ADENINE		≤0.5%	0.21%	
S-ADENOSYL-L-HOMOCYSTEINE		≤0.5%	0.19%	
METHYLTHIOADENOSINE		≤1.0%	0.33%	
OTHER INDIVIDUAL IMPURITY		≤0.1%	0.06%	
TOTAL OTHER IMPURITIES		≤1.0%	0.37%	
TOTAL IMPURITIES		≤2.5%	1.13%	
ASSAY		≥97.0%	99.3%	
Bacterial endotoxin		≤0.25EU/mg	Complied	
Microbiology	Enterobacterium bile resistant	Absence in 1 g	Complied	
	Total Combined Yeasts and Molds Count	≤100cfu/g	Complied	
	Pseudomonas aeruginosa	Absence in 1 g	Complied	
	Staphylococcus aureus	Absence in 1 g	Complied	
Conclusion		Complies with Enterprise standard		

QC Director:Li Jilong

Checker: Gao Guiyan

Analysis: Guo Xiaojing

**non-GMO, non-irradiation, non-BSE/TSE**