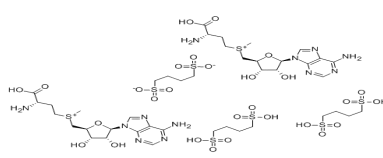


CERTIFICATE OF ANALYSIS

Product Name:	Ademetionine 1,4-butanedisulfonate	CAS NO:	101020-79-5
Molecular Formula:	C19H32N6O10S3	Constitutional Formula :	
Molecular Weight:	1451.63		
Manufacture date:	2020.02.18		
Batch No.:	202002185		
Storage	Airtight,keep it at the condition of 2-8°C		
Expiration date	2022.02.17		
Standard	BP2018		
Test Items	Specification	Test Results	
Appearance	Almost white powder (very hygroscopic),Soluble in water	Confirmed	
Identification	1) Chemical reaction		
	2) IR: consistent with the spectrum obtained with reference Substance	Confirmed	
	3) The retention time of a major peak meets the requirements	Confirmed	
Acid value	1.5~2.5	2.1	
Optical Rotation	+28~+32 °	+30 °	
Clarity and color of solution	Not more intensely colored than reference	Confirmed	
Water	N.M.T 3.0%	2.1%	
Residue on ignition	N.M.T 0.1%	0.05%	
Heavy metals	N.M.T10ppm	Confirmed	
Protein	Compliance	Confirmed	
Endotoxin	N.M.T 0.3 EU/mg	Confirmed	
Microbiological	Should meet the requirement	Confirmed	
S-adenosyl-L-Homocystein	N.M.T 0.5%	0.05%	
Methylthioadenosine	N.M.T 1.0%	0.34%	
Adenine	N.M.T 0.5%	0.04%	
Related substance			
The other largest impurities	N.M.T. 0.1%	0.06%	
The other total impurities	N.M.T. 0.5%	0.06%	
(S,S)Isomer	NLT 65.0%	79.8%	
Butanedisulfonate	46.0~49.0% (basis on dried)	48.2%	
Ademetionine	50.0%~53.0%(basis on dried)	51.7%	
Total content	N.L.T 97.5% (basis on dried)	99.9%	
Conclusion	The results conform to the standard.		

 Analyst: 连俊昊

 Supervisor: 李文