

西安康诺化工有限公司 Kono Chem Co., Ltd

Certificate of Analysis

Product Name	S-ADENOSYL L-METHIONINE	Mfg. Date	2019.10.02
Batch No.	KNG20191002	Testing Date	2019.10.02
Quantity	50KG	Exp. Date	2021.10.01

Items		Specification	Results	
Appearance		White to off-white powder	Complies	
Identification	Infrared	Conforms to the Reference Spectrum	Complies	
	HPLC	The retention time of the major peak corresponds	Complies	
		to the reference sample		
Water(K.F)		≤3.0%	1.11%	
Sulphated Ash		≤0.5%	Complies	
pH (5% Aqueous Solution)		1.0-2.0	1.3	
S, S-Isomer(HPLC)		≥75.0%	84.1%	
SAM-e ION(HPLC)		49.5~54.7%	52.1%	
P-Toluenesulfonic Acid		21.0~24.0%	22.0%	
Sulfate(SO4)(HPLC)		23.5-26.5%	25.0%	
S-Adenosy-L-methionine		95.0~103%	98.96%	
Related Substan	ces(HPLC):			
-S-Adenosyl-L-Homocysteine		≤1.0%	0.1%	
-Adenine		≤1.0%	0.1%	
-Methylthioadenosine		≤1.5%	0.12%	
-Adenosine		≤1.0%	0.1%	
-Total Impurities		≤3.5%	0.74%	
Heavy Metals		≤10ppm	Complies	
Lead		≤3ppm	Complies	
Mercury		≤0.1ppm	Complies	
Arsenic		≤2ppm	Complies	
Cadmium		≤1ppm	Complies	
Microbiology				
Total Aerobic Count		≤1000cfu/g	Complies	
Yeast & Mold		≤100cfu/g	Complies	
E. Coli		Absent/10g	Complies	
S. Aureus		Absent/10g	Complies	
Salmonella		Absent/10g	Complies	
Conclusion		Conform with USP37 standard.		

Storage Store in cool & dry place, keep away from strong light and heat.

Shelf Life 2 years when properly stored. Approved By: QA Manager Liu Guiqi

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