KONO 康诺化工 西安康诺化工有限公司 Kono Chem Co., Ltd

Product Name	S-ADENOSYL L-METHIONINE	**Mfg. Date**	2020.04.10
Batch No.	PBG20200410	**Testing Date**	2020.04.10
Quantity	50KG	**Exp. Date**	2022.04.10

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 to the reference sample	Complies
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%	84.05%
SAM-e ION(HPLC)		49.5~54.7%	52.08%
P-Toluenesulfonic Acid		21.0~24.0%	22.0%
Sulfate(SO4)(HPLC)		23.5-26.5%	24.5%
S-Adenosy-L-methionine Disulfate Tosylate		95.0~103%	98.92%
Related Substances(HPLC):			
-S-Adenosyl-L-Homocysteine		≤1.0%	0.1%
-Adenine		≤1.0%	0.1%
-Methylthioadenosine		≤1.5%	0.18%
-Adenosine		≤1.0%	0.1%
-Total Impurities		≤3.5%	0.79%
Heavy Metals Lead Mercury Arsenic Cadmium		≤10ppm ≤3ppm ≤0.1ppm ≤2ppm ≤1ppm	Complies Complies Complies Complies 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