

Certificate of Analysis

Product Information

Product Name	S-Adenosyl-L-methionine Disulfate Tosylate (SAME)		
CAS No.	97540-22-2	Report Number	SML20220535
Batch Number	SML220510	Manufacture Date	2022/05/10
Batch Quantity	200Kg	Expiry Date	2024/05/09

Test Items	Test Standard	Test Result
Appearance	White to off-white Powder	Conforms
S-Adenosyl-L-methionine Disulfate Tosylate	95.0 % ~103.0%	98.36%
Identification	Infrared: Conforms to the Reference Spectrum HPLC: The retention time of the major peak corresponds to the reference sample	Conforms Conforms
S, S-Isomer (HPLC)	≥ 75.0%	83.5%
SAM-e ION (HPLC)	49.5% ~ 54.7%	52.1%
P-Toluenesulfonic Acid	21.0% ~ 24.0%	22.8%
Content of Sulfate (SO ₄) (HPLC)	23.5% ~ 26.5%	25.3%
Loss on Drying	≤3.0%	1.22%
Sulphated Ash	≤0.5%	0.26%
pH	1.0 ~2.0	1.09
Related substances(HPLC):		
S-adenosyl-L-homocysteine	<1.0%	0.2%
Adenine	<1.0%	0.19%
Methylthioadenosine	<1.5%	0.26%
Adenosine	<1.0%	0.11%
Total Impurities	<3.5%	0.87%
Heavy Metal	≤10 ppm	Conforms
Total Aerobic Count	≤1000cfu/g	80cfu/g
Yeast & Moulds	≤100cfu/g	10cfu/g
E-Coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus Aureus	Negative	Conforms

Conclusion

Conclusion	To be complied with USP37
Shelf Life	2 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

Tested by: 张丽娜

Checker: 李明 Approved:

