

Certificate of Analysis

Product Name	S-Adenosyl-L-methionine Disulfate Tosylate (SAME)		
Batch Number	YG20230302	Manufacture Date	20230501
CAS No.	97540-22-2	Analysis Date	20230502
Quantity	500KGS	Expiry Date	20250501

ITEMS		SPECIFICATION	RESULTS
Physical & Chemical			
Identification	Infrared	Conforms to the Reference Spectrum	Conforms
	HPLC	The retention time of the major peak corresponds to the reference sample	Conforms
Appearance		White to off-white Powder	White to off-white Powder
Water Content(K.F)		<3.0%	1.25%
Sulphated Ash		<0.5%	Complied
PH (5% AQUEOUS SOLUTION)		1.0-2.0	1.23
S, S-Isomer (HPLC)		≥75.0%	80.05%
SAM-e ION (HPLC)		49.5 - 54.7%	52.53%
P-Toluenesulfonic Acid		21.0%–24.0%	22.60%
Content of Sulfate (SO4) (HPLC)		23.5%–26.5%	24.75%
S-Adenosyl-L-methionine Disulfate Tosylate		95.0%–103%	98.35%
Related substances(HPLC)			
S-ADENOSYL-L-HOMOCYSTEINE		<1.0%	0.19%
- ADENINE		<1.0%	0.33%
- METHYLTHIOADENOSINE		<1.5%	0.25%
- ADENOSINE		<1.0%	0.17%
- TOTAL IMPURITIES		<3.5%	0.85%
Heavy metals			
Heavy Metals		≤10 ppm	Conforms
LEAD		≤ 3 ppm	Conforms
CADMIUM		≤ 1 ppm	Conforms
MERCURY		≤ 0.1 ppm	Conforms
ARSENIC		≤ 2 ppm	Conforms
Microbiological			
Total Aerobic Count		≤1000cfu/g	Conforms

Yeast and mold count	≤100cfu/g	Conforms
E. coli	Absent/10g	Conforms
S. aureus	Absent/10g	Conforms
Salmonella	Absent/10g	Conforms
Conclusion	Complies with USP37	

