

Certificate of Analysis

S-Adenosyl-L-methionine Disulfate Tosylate (SAME)

CAS No.	97540-22-2	Code	BIOJSAME
Batch No	C250407	Manufacture Date	Apr.17, 2025
Expiry Date	Apr.16, 2027	Quantity	5Kgs

Testing Items	Specifications	Results
Appearance	White to off-white powder	White to off-white powder
Identification	IR: Conforms to the reference spectrum	Complies
	HPLC: The retention time of the major peak corresponds to the reference sample	Complies
Water content(K.F)	≤3.0%	0.96%
Sulphated ash	≤0.5%	0.3%
PH(5% Aqueous solution)	1.0~2.0	1.3
S, S-Isomer(HPLC)	≥75.0%	82.5%
SAM-e ION(HPLC)	49.5%~54.7%	51.7%
P-Toluenesulfonic acid	21.0%~24.0%	22.3%
Content of Sulfate(SO ₄) (HPLC)	23.5%~26.5%	25.2%
Assay	95.0%~103.0%	99.2%
Related substances (HPLC)	S-Adenosyl-L-Homocysteine≤1.0%	0.16%
	Adenine≤1.0%	0.33%
	Methylthioadenosine≤1.5%	0.38%
	Adenosine≤1.0%	0.09%
	Total Impurities≤3.5%	1.4%
Heavy metals	≤10ppm	Complies
Lead	≤3ppm	Complies
Cadmium	≤1ppm	Complies
Mercury	≤0.1ppm	Complies
Arsenic	≤2ppm	Complies
Microbiology	Total Aerobic Count≤1000cfu/g	Complies
	Yeast and Mold Count≤100cfu/g	Complies
	E. Coli: Absent/10g	Complies
	S. Aureus: Absent/10g	Complies
	Salmonella: Absent/10g	Complies
Conclusion	This product conforms to USP41 standard	

***Storage condition: Store at 0~8°C, Protect from moisture and light.**