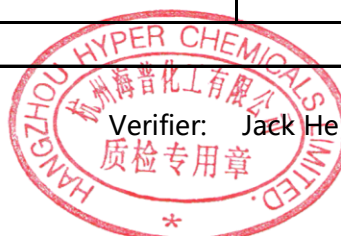


CERTIFICATE OF ANALYSIS

Product Name:	S-Adenosyl-L-methionine Disulfate Tosylate		
Batch No.	C230305	Quantity	50KG
Manufacturing Date	March 17, 2023	Packaging	25KG/DRUM
Expiry Date	March 16, 2025	Inspection Standard	USP41
Analytical Results			
Items	Specifications		Results
Appearance	White to off-white Powder		White to off-white Powder
Identification	Infrared: Conforms to the Reference Spectrum		Complied
	HPLC: The retention time of the major peak corresponds to the reference sample		Complied
Water Content(K.F)	3.0% MAX		1.0%
Sulphated Ash	0.5% MAX.		0.4%
PH (5% AQUEOUS SOLUTION)	1.0 -2.0		1.2
S, S-Isomer (HPLC)	75.0% MIN		76.8%
SAM-e ION (HPLC)	49.5 - 54.7%		51.8%
P-Toluenesulfonic Acid	21.0%–24.0%		21.9%
Content of Sulfate (SO4) (HPLC)	23.5%–26.5%		24.8%
S-Adenosyl-L-methionine Disulfate Tosylate	95.0%–103%		98.5%
Related substances (HPLC)	S-ADENOSYL-L-HOMOCYSTEINE 1.0% MAX.		0.04%
	ADENINE 1.0% MAX.		0.49%
	METHYLTHIOADENOSINE 1.5% MAX		0.18%
	ADENOSINE 1.0% MAX		0.04%
	TOTAL IMPURITIES 3.5% MAX.		1.00%
Heavy Metals	Not more than 10 ppm		Complied
Lead	Not more than 3 ppm		Complied
Cadmium	Not more than 1 ppm		Complied
Mercury	Not more than 0.1 ppm		Complied
Arsenic	Not more than 2 ppm		Complied
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	Complies with USP41		

Inspector: Carlifor Wu



Verifier: Jack He