

CERTIFICATE OF ANALYSIS

Product Name	S-Adenosyl-L-methionine Disulfate Tosylate	Batch No	PY-SA20171125
Quantity	100KG	Analysis Date	Nov.28,2019
Mfg. Date	Nov.25,2019	Exp. Date	Nov.24,2021
Package	1kg/Bag	Standard	USP37

No.	Item	Specification	Result
1.	Appearance	Almost white powder	Complies
2.	Characters	Hygroscopic, soluble in water	Complies
3.	Acid Value	1.0-2.0	1.3
4.	Clarity and Color of Solution	Not more intensely colored than reference solution Y2	Complies
5.	Heavy Metals	≤10ppm	<10ppm
6.	Water	≤2.5%	2.2%
7.	S-Adenosyl-L-Homocysteine	≤0.5%	Not detected
8.	Methylthioadenosine	≤2.0%	0.4%
9.	Adenine	≤0.5%	0.4%
10.	Related Substances(HPLC)	The sum area unknow impurities must be not more than 1.5 times of reference solution main peak's (1.5%)	1.5%
11.	(S,S)Isomer	≥62.0%	75.8%
12.	Endotoxin	≤0.3EU/MG	Complies
13.	Microbiology	≤1,000cfu/g	Complies
14.	P-Toluenesulfonic Acid	21.0%-24.0%	22.3%
15.	Sulfates	23.5%-26.5%	24.3%
16.	Ademetionine	≥51.6%	52.0%
17.	Assay	≥96%	99.8%
18.	Conclusion	Conform to the USP37 Standard.	

Analyst: xuli

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