



FORTUNE

HANGZHOU FORTUNE BIOPHARM CO.,LTD.

杭州泛青生物医药有限公司

Certificate of Analysis

roduct : S-ADENOSYL-L-METHIONINE DISULFATE, P-TOLUENESULFONATE FOOD / PHARMA GRADE,CAS NO.97540-22-2		
Batch No.: 180301	Quantity:200kg	
Date of Manufacture: Mar.07,2018	Date of Expire:	Mar.06,2020
Date of Analysis: Mar.10,2018	Date of Certificate:	Mar.11,2018
Storage: Airtight;keep it at the condition of 2~8℃		
Analysis according: Enterprise standard.		
Items	Requirements	Results
Appearance	Almost white powder ,hygroscopic,soluble in water	Conforms
Identification	1)Chemical reacton 2)IR:consistent with the spectrum obtained with reference substance. 3)HPLC:the retention time of a major peak meets the requirements.	1)Positive reaction 2)Conforms 3)Conforms
Acid Value	1.0~2.0	1.5
Clarity and color of solution	Not more intensely colored than reference solution Y2.	Conforms
Heavy metals	N.M.T10PPM	Conforms
Water	N.M.T 2.5%	2.0%
S-adenosyl-L-Homocystein	N.M.T 0.5%	0.06%
Methithioadenosine	N.M.T 2.0%	0.41%
Adenine	N.M.T 0.5%	0.28%
Related substance	The sum area of unknown impurities must be not more than 1.5times of reference solution main peak's(1.5%)	0.12%
(S,S)Isomer	N.L.T 60.0%	77.0%
Endotoxin	NMT0.3EU/mg	Conforms
Microbiological	NMT 1000CFU/g	10 CFU/g
p-toluenesulfonatic acid	21.0%~24.0%(basis on dried)	22.9%
Sulfates	23.5%~26.5%(basis on dried)	24.8%
Ademetionine	N.L.T 49.5%(basis on dried)	51.2%
Total content	N.L.T 96.0%	98.9%
Conclusion: Conforms to the requirement		

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