



宁波泰达进出口有限公司 NINGBO TIDE IMP.& EXP. CO., LTD.

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Certificate of Analysis

Product: S-ADENOSYL-L-METHIONINE DISULFATE, P-TOLUENESULFONATE FOOD / PHARMA GRADE, CAS NO.97540-22-2		
Batch No.: 111003	Quantity: 220kg	
Date of Manufacture: Oct.16,2011	Date of Expire:	Oct.15,2013
Date of Analysis: Oct.23,2011	Date of Certificate:	Oct.30,2011
Storage: Airtight; keep it at the condition of 2~8°C		
Analysis according: Enterprise standard.		
Items	Requirements	Results
Appearance	Almost white powder, hygroscopic, soluble in water	Conforms
Identification	1) Chemical reaction 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	1.7
Clarity and color of solution	Not more intensely colored than reference solution Y2.	Conforms
Heavy metals	N.M.T 10PPM	Conforms
Water	N.M.T 2.5%	1.6%
S-adenosyl-L-Homocystein	N.M.T 0.5%	0.03%
Methithioadenosine	N.M.T 2.0%	0.32%
Adenine	N.M.T 0.5%	0.20%
Related substance	The sum area of unknown impurities must be not more than 1.5 times of reference solution main peak's (1.5%)	0.13%
(S,S) Isomer	N.L.T 60.0%	79.5%
Endotoxin	NMT 0.3EU/mg	Conforms
Microbiological	NMT 1000CFU/g	10 CFU/g
p-toluenesulfonic acid	21.0%~24.0% (basis on dried)	23.4%
Sulfates	23.5%~26.5% (basis on dried)	25.1%
Ademetionine	N.L.T 49.5% (basis on dried)	51.1%
Total content	N.L.T 96.0%	99.6%
Conclusion: Conforms to the requirement.		

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杨红宇