



FORTUNE

HANGZHOU FORTUNE BIOPHARM CO.,LTD.

杭州泛青生物医药有限公司

CERTIFICATE OF ANALYSIS

PRODUCT: ADEMETHIONINE 1,4-BUTANDISULPHONATE

CAS NO.:101020-79-5

BATCH NO.: 20180301MFG. DATE: Mar.10,2018QUANTITY: 50KGEXP. DATE: Mar.09,2020

TEST ITEMS	SPECIFICATIONS	RESULTS
Appearance	Almost white powder ,hygroscopic,soluble in water	Conforms
Identification (IR spectrum)	1)Chemical reaction should be positive.	Conforms
	2)IR:Should conform with that of the reference substance.	Conforms
	3)HPLC:The retention time of a major peak meets the requirement.	Conforms
Clarity and color of solution	No more intensely colored than reference solution Y1	Conforms
pH (4 mg/ml solution)	1.8~2.5	2.2
Water	≤3.0%	1.4%
Residue on ignition	≤0.3%	0.2%
Content	1,4-Butanedisulphonate : 46.0~49.0% (on anhydrous basis)	48.1%
	Ademethionine : 50.0~54.0% (on anhydrous basis,HPLC)	50.2%
	(S,S – isomer): 60.0 %~75.0% (HPLC)	72.0%
Related substances (HPLC)	Adenine ≤0.5 %	0.19%
	Methylthioadenosine ≤1.0%	0.85%
	S- Adenosyl-L-Homocystine ≤0.5%	0.08%
	Other individual impurity:≤0.2%	0.07%
	Total other impurities:≤1.0%	0.26%
	Total impurities :≤2.5%	0.50%
Heavy metals	≤10 ppm	Conforms
Total content	≥96.0 %	98.3%
CONCLUSION	CONFORM TO ENTERPRISE STANDARD	

* Storage: Airtight,2-8°C,keep in dry conditions.

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