



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-391227
Lot Number: SAMPLE
Product Name: S-Adenosylmethione-1,4-butanedisulfonate
CAS Number: 101020-79-5
Molecular Formula: $C_{15}H_{23}N_6O_5S.C_4H_8O_6S_2$
Molecular Weight: 615.68

Test	Specification	Result
Appearance	White or almost white powder	Complies
Identification	The gas it produced can make wet potassium iodate test paper show blue.	Complies
Identification (HPLC)	the retention time of the principal peak in the chromatogram obtained with test solution is in accordance with that of the references.	Complies
Identification (UV)	It has absorption maximum at the 258nm	Complies
Isomer	(S,S-Isomer) $\geq 70\%$	80.0%
Clarity of Solution	Clarity: \leq No.0.5 of turbidity standard solution Color: \leq Y3# or YG3#	Complies
pH	2.1~2.5	2.2
Residual Solvents	Ethyl Acetate: ≤ 5000 ppm	Complies
Residue on Ignition	$\leq 1.0\%$	0.38%
Solubility	Easy soluble in water, insoluble in ethanol, acetone.	Complies
Content	1. Butanedisuphonic acid: 46.0~51.0% 2. Adenosine methionine: 48.0~53.0% 3. Total: $\geq 96.0\%$	1. 48.9% 2. 48.9% 3. 98.7%
Heavy Metals	≤ 10 ppm	Complies
Related Substances	1. Adenine $\leq 0.4\%$ 2. S-Adenosyl-L-Homocysteine $\leq 0.4\%$ 3. Methylthioadenosine $\leq 2.0\%$ 4. Decarboxylation adenosine methionine $\leq 1.2\%$ 5. The other unknown impurities $\leq 1.0\%$ 6. Total of impurities $\leq 4.0\%$	1. 0.15% 2. 0.08% 3. 0.65% 4. 0.50% 5. 0.09% 6. 1.47%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com

Water Content	≤6.0%	4.6%
Bacterial Endotoxins	<0.3EU/mg	Complies
Microbial Contamination	Bacteria: ≤1000CFU/g Mold&Yeasts: ≤100 CFU/g Escherichia Coli :N.D	Complies

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