

### Certificate of Analysis

<b>Product Name</b>	S-Adenosyl-L-methionine (1,4-butanedisulfonate)
<b>Catalog No.</b>	V35235
<b>Batch No.</b>	V3523501

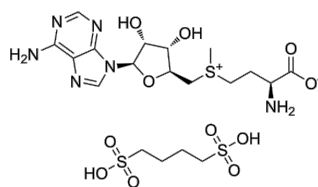
#### 1. Physical and Chemical Properties

<b>Appearance</b>	White to off-white powder, hygroscopic
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>32</sub> N <sub>6</sub> O <sub>11</sub> S <sub>3</sub>
<b>Molecular Weight</b>	616.69
<b>Purity</b>	Assay=101.1%
<b>CAS No.</b>	200393-05-1
<b>Production Date</b>	
<b>Retest Date</b>	2028-12-12

#### 2. Analytical Data

Test Item	Specification	Result
<b>IR</b>	Conforms to the reference spectrum	Complies
<b>HPLC</b>	The retention time of the major peak corresponds to the reference sample	Complies
<b>IC</b>	The retention time of the major peak corresponds to the reference sample	Complies
<b>Clarity of solution</b>	≤ Reference suspension 2#	Complies
<b>Color of solution</b>	≤ Reference solution yellow 4#	Complies
<b>pH</b>	1.0-3.0	2.2
<b>Water content</b>	NMT 5.0%	1.9%
<b>S, S-isomer Ratio</b>	NLT 60%	82%
<b>Content of 1,4-Butanedisulfonate acid</b>	46.0% - 49.0%	47.6%
<b>S-adenosyl-L-methionine</b>	50.0% - 54.0%	53.2%
<b>Assay (On the anhydrous basis)</b>	95.0% - 105.0%	=101.1%
<b>Adenine</b>	0.5% MAX.	0.05%
<b>S-adenosyl-L-homocysteine</b>	0.5% MAX.	0.03%
<b>Methylthioadenosine</b>	1.7% MAX.	0.12%
<b>Any other impurities</b>	0.1% MAX.	0.06%
<b>Total impurities</b>	5.0% MAX.	0.35%
<b>Total unknown impurities</b>	0.5% MAX.	0.15%
<b>Residue on ignition</b>	≤0.2%	0.04%
<b>Heavy metals</b>	≤10 ppm	<10 ppm
<b>Endotoxin</b>	<0.2 EU/mg	Complies
<b>Total aerobic count</b>	≤100 cfu/g	Complies
<b>Molds and yeasts</b>	≤10 cfu/g	Complies
<b>E.coli</b>	Absent/1g	

#### 3. Structure



#### 4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

**Products are for research use only • Not for human or veterinary use**

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