

QUALITY SPECIFICATION

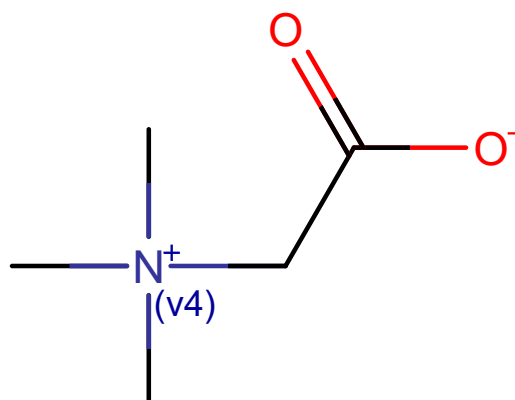
Betaine anhydrous

Catalog No.: NST-10-210

CAS No.: 107-43-7

Molecular formula: $C_5H_{11}NO_2$

MW: 117.15



No.	Parameter	Specification	Method
1.	Appearance	Crystalline powder	Visual
2.	Color	White	Visual
3.	Assay	≥98.0%	HPLC
4.	pH	5.0-7.0	pH meter
5.	Water	≤2.0 %	Karl Fischer titration
6.	Sulfated ash	≤0.1 %	In house
7.	Lead	≤2 ppm	ICP-MS
8.	Arsenic	≤1 ppm	ICP-MS
9.	Mercury	≤0.1 ppm	ICP-MS
10.	Cadmium	≤1 ppm	ICP-MS
11.	TPC	Not more than 10^3 CFU/g	ISO 6579:2002
12.	TYMC	Not more than 10^2 CFU/g	ISO 6579:2002
13.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
14.	<i>Salmonella</i>	Absent	ISO 6579:2002

15.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002
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Storage: store in cool & dry place, keep away from strong light and heat

Stability: 24 months when properly stored