

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name:	S-Adenosylmethionine synthetase (MAT)
SKU #:	S1433377
Version:	1
Source:	Recombinant
Specifications & Purity:	ActiBioPure™, Bioactive, High performance, EnzymoPure™, Recombinant, ≥90%(SDS-PAGE), ≥300 U/mg enzyme powder
Concentration:	≥300 U/mg enzyme powder
Formulation:	Lyophilized
Reconstitution:	After reconstitution, if MAT is to be stored long-term at 4 °C, add glycerol to a final concentration of 30%, 1 mM Mg <sup>2+</sup> , and a preservative. If it is to be used shortly after reconstitution, only 1 mM Mg <sup>2+</sup> needs to be added.
Storage Conditions:	Store at -20°C, Avoid repeated freezing and thawing

Parameter	Limit Values
Appearance(S1433377)	White lyophilized powder
Purity (SDS-PAGE) ≥90%	Conform
Molecular Weight	39-47(kD)
Enzyme activity (enzyme powder)	≥300(U/mg)
Enzyme activity (protein)	-