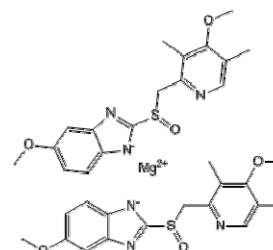


Certificate Of Analysis

Name: Esomeprazole magnesium
CAS No.: 161973-10-0
Cat No.: A810316
Molecular Formula: C₃₄H₃₆MgN₆O₆S₂
Molecular Weight: 713.12
Batch No.: E02082018
Mfg.Date: 2018.08.02
Exp.Date: 2020.08.01



Items	Specifications	Results
Specifications	white to off white powder	off white powder
	Soluble in methanol, slightly soluble in water, almost insoluble in heptane	conforms
Identification	The infrared spectrum should be consistent with the standard map.	conforms
	The atomic absorption line should be consistent with the standard.	conforms
Solution color	For 440nm, Absorbance values should be ≤ 0.2	0.104
Water	6.0%-8.0%	7.15%
Related Impurity	Impurity ₁ $\leq 0.1\%$ Impurity ₂ $\leq 0.2\%$ Any unknown impurity $\leq 0.1\%$ Total Impurity $\leq 0.5\%$	Conforms 0.04% 0.03% 0.32%
Enantiomer Purity	R Enantiomer $\leq 0.2\%$	0.02%
Magnesium content	3.30%-3.55%	3.4%
remaining solvent	Dichloromethane $\leq 0.06\%$ Methanol $\leq 0.3\%$ Acetonitrile $\leq 0.5\%$ Ethyl acetate $\leq 0.5\%$ Toluene $\leq 0.089\%$	Conforms
Purity	98.0%-102.0%(Anhydrate)	99.35%

Conclusion	The product tested complies with the specifications.
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Storage condition: Store in a tightly closed container in a cool and dry place.

Checker:

*If you have any comments and suggestions, please contact us by sales@amadischem.com

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