杭州泽尔瑞化学有限公司 HANGZHOU ZEERRUI CHEMICAL CO., LTD

Certificate of Analysis

COA No:ZER12011266

Product Name	D-Penicillamine
CAS No	52-67-5
Molecular Formula	HS OH OH
Batch No	2020081501
Manufacturing date	2020. 08. 15
Shelf life	2 years

Index Name	Specification	Result
Appearance	White powder or white-crystalline powder	Conforms
Identification A	Should be conformed	Conforms
Identification B	Should be conformed	Conforms
Identification C	Should be conformed	Conforms
Specific rotation	Between-60.5℃ and -64.5℃	-60.8℃
рН	Between 4.5 and 5.5	4. 7
Loss on drying	NMTO. 5%	0. 04%
Residue on ignition	NMTO. 1%	0. 02%
Limit of Penicilin activity	Not more than .02 penicillin G Unit per g	Conforms
Mercury	NMTO. 002%	Conforms
Limit of Penicillamine disulfide	NMT 1.0% of Penicillamine disulfiden is found	0. 40%
Organic solvent residue	Ethanol≤0.5%	0. 48%
Assay	C5H11N02S:97.0% to 102.0%, calculated on the dried basis	100.0%
Microbial limit	Should be conform the request	Conforms
Conclusion	Conforms to the enterprise standard	



