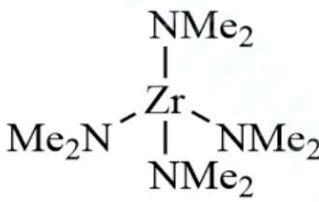




SHANGHAI ORIPHANT CHEMISTY CO., LTD.

源象化学
ORIPHANT CHEMISTY

Certification of Analysis

Product Name	Tetrakis(dimethylamino)zirconium(IV)	
CAS No.	19756-04-8	
Batch No.	102040001010722001	
Date of MFG	2022.10.14	
Date of Test	2022.10.14	
Date of Expiry	2023.4.13	

No.	Test Item	Specification	Result
1	Appearance(Color)	white	white
2	Appearance(Form)	solid	solid
3	Purity (1H-NMR)	99%min	99%+
4	1H-NMR	confirms to structure	confirms to structure
5	Purity (Based On Trace Metals Anaysis)	99.999% min	99.999%

Conclusion: Conform to the standard of electronic grade chemicals

Analyzer :Hua Wu

Approved:Yuelai Zhang

Report Date:2022.10.14