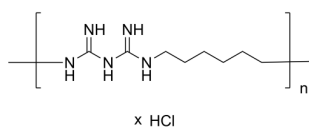


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	Poly(hexamethylenebiguanide) (hydrochloride)
<b>Cat. No.:</b>	1065390
<b>CAS No.:</b>	32289-58-0
<b>Molecular Formula:</b>	$(C_8H_{17}N_5)_n \cdot xHCl$
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf0221123082
<b>Storage:</b>	2-8°C, sealed storage, away from moisture
<b>Test Date:</b>	2022-02-21
<b>Retest Date:</b>	2025-02-20
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to off-white (Solid)
<b><math>^1H</math> NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	$\geq 98.0\%$
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai