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CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2023

Re-test Date: Oct 2026

Product Name: Polyhexamethylene Biguanide Hydrochloride

Identification:

Chemical Name: 1,6-Hexanediamine-guanidine hydrochloride Copolymer

Synonyms : NA

CAS Number : 32289-58-0

CAT Number : CP-CS0553

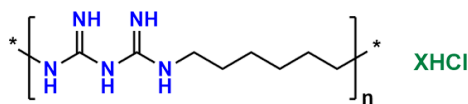
Molecular Formula : $(C_8H_{17}N_5)_n \cdot XHCl$

Molecular Weight : $(183.26)_n \cdot X(36.5)$

Batch Number : CP-POL-BIG-0124

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

| Sr. No. | Test | Result |
|---------|----------------|--------------------------|
| 1) | Description | White Hygroscopic Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By ELSD | 100% |
| 5) | H1NMR | Confirm to structure |
| 6) | 13CNMR | Confirm to structure |



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.