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# Certificat of analysis

**Commercial Name:** 1,4,7-triazacyclononane, 3HCl

**Chemical Name:** 1,4,7-triazonane

**Mw:** 129,2 g.mol-1

**Formule:** $C_6H_{15}N_3$

**Sample from batch #** 071 041219 F1

| | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Appearance** | White to yellow powder | White powder |
| **Identification** | | |
| NMR $^1H$ | Conform to reference's spectrum | Conform to reference's spectrum |
| **Analysis** | | |
| Elemental analysis | **Δ%C, N < 0,4** | Conform with: $C_6H_{15}N_3$ + 3HCl<br>Fw: 238,58 g/mol |

Manufacturing date : 06/12/2019
Reanalysis date : 08/11/2023
Retest date : 11/2025

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|---|---|---|
| **Date 15/11/2023** | **Head of Quality control** | M. BIANCO<br>15 NOV. 2023 |