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## **-CERTIFICATE OF ANALYSIS-**

Product: Piperazine-2-carboxylic acid dihydrochloride

Code Number: OR0237

CAS Number: 3022-15-9

Formula:  $C_5H_{10}N_2O_2 \cdot 2ClH$

Batch Number: AS504519

Appearance: Pale yellow solid

Melting Point: 275.4-278.2 degrees C

Purity 98% (NMR)

Identity: NMR conforms to structure

Verified by: David Parton

Signed: --Digital document, no signature required--