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## **-CERTIFICATE OF ANALYSIS-**

Product: 1-(3-Hydroxypropyl)piperazine  
Code Number: OR936540  
CAS Number: 5317-32-8  
Formula: C<sub>7</sub>H<sub>16</sub>N<sub>2</sub>O  
Batch Number: AS499732  
Appearance: Colourless solidified liquid  
Purity by GC: >99%

Verified by: David Parton

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