

## APPENDICES: Attached CD

Appendix A: Single Crystal Data for TNU-6

Appendix B: Refined Framework Atomic Coordinates, Bond Lengths and Angles for TNU-7, Ga-MAZ and Ga-MOR

B(1): Na-TNU-7 (from synchrotron data)

B(2): Na-Ga-MAZ (from synchrotron data)

B(3): Na-Ga-MOR (from synchrotron data)

B(4): Na-TNU-7 (from neutron data)

Appendix C: Theoretical Frameworks Related to the MFI and MEL Topologies

Appendix D1: Refined Atomic Parameters, Bond Lengths and Angles for As-made TNU-9 with Energy Minimised Template Locations

Appendix D2: Refined Cell and Atomic Parameters, Bond Lengths and Angles for As-made TNU-9 with Refined Template Locations

Appendix E: Refinement Data Discussed in Part 3

Refined Cell Parameters, Atomic Coordinates and Selected Bond Lengths and Angles for Calcined:

E(1): Cu-MgAPO STA-6

E(2): Cu-SAPO STA-6

E(3): Cu-SAPO STA-7

E(4): Cu-MgAPO-18

E(5): Cu-MgAPO-5