Single-crystal structure of K$_3$Nb$_8$O$_{21}$

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Description
Tripotassium 21-oxooctaniobate, M$_{r}$= 1196.53, hexagonal, P6$_3$/mcm, a= 9.1584 (5), c= 12.0404 (4) Å, V= 874.6 (1) Å$^3$, Z= 2, D$_x$= 4.54 Mg m$^{-3}$, $\lambda$(Mo K$\alpha$)= 0.71073 Å, $\mu$= 5.65 mm$^{-1}$, F(000)= 1106, T= 294 K, R= 0.044, wR= 0.047 for 2540 reflections with I> 3 $\sigma$(I). The framework is built up from [Nb$_6$O$_{24}$] units stacked along c giving [Nb$_6$O$_{21}$]$_\infty$ chains which are held together by single NbO$_6$ octahedra.(orig.).

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